

CA-Endevor[®]/DB

User Guide

15.0

OS/390



Computer Associates

This documentation and related computer software program (hereinafter referred to as the "Documentation") is for the end user's informational purposes only and is subject to change or withdrawal by Computer Associates International, Inc. ("CA") at any time.

THIS DOCUMENTATION MAY NOT BE COPIED, TRANSFERRED, REPRODUCED, DISCLOSED, OR DUPLICATED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF CA. THIS DOCUMENTATION IS PROPRIETARY INFORMATION OF CA AND PROTECTED BY THE COPYRIGHT LAWS OF THE UNITED STATES AND INTERNATIONAL TREATIES.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, CA PROVIDES THIS DOCUMENTATION "AS IS" WITHOUT WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL CA BE LIABLE TO THE END USER OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF CA IS EXPRESSLY ADVISED OF SUCH LOSS OR DAMAGE.

THE USE OF ANY PRODUCT REFERENCED IN THIS DOCUMENTATION AND THIS DOCUMENTATION IS GOVERNED BY THE END USER'S APPLICABLE LICENSE AGREEMENT.

The manufacturer of this documentation is Computer Associates International, Inc.

Provided with "Restricted Rights" as set forth in 48 C.F.R. Section 12.212, 48 C.F.R. Sections 52.227-19(c)(1) and (2) or DFARS Section 252.227.7013(c)(1)(ii) or applicable successor provisions.

First Edition, December 2000

© 2000 Computer Associates International, Inc.
One Computer Associates Plaza, Islandia, NY 11749
All rights reserved.

All trademarks, trade names, service marks, or logos referenced herein belong to their respective companies.

Contents

Chapter 1. Introduction	1-1
1.1 Overview	1-2
1.2 The Change Control Database	1-3
1.3 System Components	1-6
 Chapter 2. Getting Started	 2-1
2.1 Introduction	2-2
2.2 SIGNON Procedures	2-3
2.3 Invoking CA-Endevor/DB	2-4
2.4 Signon Function Screen	2-6
2.4.1 Signon Screen Fields	2-6
2.4.1.1 OPTION	2-6
2.4.1.2 ENDEVOR/DB USER	2-7
2.4.1.3 CCIDs	2-7
2.4.1.4 ONLINE SYSTEM PARAMETERS	2-8
2.5 Main Function Menu	2-9
2.5.1.1 OPTION 4: ENTITY AND ENTITY CHANGE HISTORY	2-10
2.5.1.2 OPTION 5: CCID AND CCID CHANGE HISTORY	2-10
2.5.1.3 OPTION 6: STATUS AND STATUS ASSOCIATIONS	2-10
2.5.1.4 OPTION 7: USER AND USER CHANGE HISTORY	2-10
2.5.1.5 OPTION 8: DICTIONARY AND DICTIONARY HISTORY	2-11
2.5.1.6 OPTION 9: MANAGEMENT GROUPS AND CCIDs	2-11
2.6 Exiting From CA-Endevor/DB	2-12
2.7 Restarting CA-Endevor/DB	2-13
 Chapter 3. Background Information About Screen Processing	 3-1
3.1 Screen Header Lines	3-2
3.2 List and Detail Screen Processing	3-3
3.3 Using the OPTION and ACTION Fields	3-5
3.4 Standard Keyboard Functions	3-6
3.5 CCDB Entity Names	3-7
 Chapter 4. Signin/Signout Functions	 4-1
4.1 Introduction	4-2
4.2 Signin/Signout Functions Submenu	4-3
4.3 Processing Options Summary	4-4
4.3.1.1 Browse Entities Signed Out	4-4
4.3.1.2 Signout Entities	4-4
4.3.1.3 Signin Entities	4-5
4.4 Processing Screen Descriptions	4-6
4.4.1 Signin/Signout Functions Screen	4-6
4.4.1.1 NDVRU100 Field Descriptions	4-6
4.4.2 Signin/Signout List Screen	4-7
4.4.2.1 NDVRU110 Field Descriptions	4-8
4.4.3 Signin/Signout Detail Screen	4-8
4.4.3.1 NDVRM110 Field Descriptions	4-9

Chapter 5. Authorization Functions	5-1
5.1 Introduction	5-2
5.2 Processing Options Summary	5-4
5.2.1.1 Browse Preauthorizations	5-4
5.3 Processing Screen Descriptions	5-5
5.3.1 Preauthorization Functions Screen	5-5
5.3.1.1 NDVRU200 Field Descriptions	5-5
5.3.2 Preauthorization List Screen	5-6
5.3.2.1 NDVRU210 Field Descriptions	5-7
5.3.3 Preauthorization Detail Screen	5-8
5.3.3.1 NDVRM210 Field Descriptions	5-8
 Chapter 6. Lock Functions	 6-1
6.1 Introduction	6-2
6.2 Processing Options Summary	6-4
6.2.1.1 Browse Locked Users	6-4
6.2.1.2 Browse Locked CCIDs	6-4
6.2.1.3 Browse Locked Dictionaries	6-5
6.3 Processing Screen Descriptions	6-6
6.3.1 Lock/Unlock Functions Screen	6-6
6.3.1.1 NDVRU300 Field Descriptions	6-7
6.3.2 User Lock List	6-8
6.3.2.1 NDVRU310 Field Descriptions	6-8
6.3.2.2 User Lock Detail Screen	6-8
6.3.2.3 NDVRM310 Field Descriptions	6-9
6.3.3 CCID Lock List	6-9
6.3.3.1 NDVRU320 Field Descriptions	6-10
6.3.4 CCID Lock Detail Screen	6-10
6.3.4.1 NDVRM320 Field Descriptions	6-11
6.3.5 Dictionary Lock List	6-11
6.3.5.1 NDVRU330 Field Descriptions	6-12
6.3.6 Dictionary Lock Detail Screen	6-12
6.3.6.1 NDVRM330 Field Descriptions	6-12
 Chapter 7. Entity Descriptor Processing	 7-1
7.1 Introduction	7-2
7.2 Processing Options Summary	7-4
7.2.1.1 Browse Entity Descriptors	7-4
7.2.1.2 Add a New Entity Descriptor	7-4
7.2.1.3 Modify Entity Descriptor	7-5
7.2.1.4 Delete Entity Descriptors	7-5
7.2.1.5 Browse Entity Change History	7-6
7.2.1.6 Browse Entity Status History	7-7
7.3 Processing Screen Descriptions	7-8
7.3.1 Entity Functions Screen	7-8
7.3.1.1 NDVRU400 Field Descriptions	7-9
7.3.2 Entity List Screen	7-11
7.3.2.1 NDVRU410 Field Descriptions	7-11
7.3.3 Entity Detail Screen	7-12
7.3.3.1 NDVRM410 Field Descriptions	7-13
7.3.4 Entity/Change-Log Entry/User/CCID List Screen	7-13

7.3.4.1 NDVRU420 Field Descriptions	7-14
7.3.5 Entity/Change-Log Entry/User/CCID Detail Screen	7-15
7.3.5.1 NDVRM420 Field Descriptions	7-16
7.3.6 Entity/Status History List Screen	7-18
7.3.6.1 NDVRU430 Field Descriptions	7-19
7.3.7 Entity/Status History Detail Screen	7-20
7.3.7.1 NDVRM430 Field Descriptions	7-20
Chapter 8. CCID Processing	8-1
8.1 Introduction	8-2
8.2 Processing Options Summary	8-4
8.2.1.1 Browse CCID Descriptors	8-4
8.2.1.2 Add a CCID Descriptor	8-4
8.2.1.3 Modify CCID Descriptors	8-5
8.2.1.4 Delete Entity Descriptors	8-5
8.2.1.5 Browse CCID/ Change Associations	8-6
8.2.1.6 Add a CCID/Change Association	8-6
8.2.1.7 Modify CCID/Change Associations	8-7
8.2.1.8 Delete CCID/Change Associations	8-8
8.2.1.9 Browse Entity Status for CCID	8-9
8.3 Processing Screen Descriptions	8-10
8.3.1 CCID Functions Screen	8-10
8.3.1.1 NDVRU500 Field Descriptions	8-11
8.3.2 CCID List Screen	8-13
8.3.2.1 NDVRU510 Field Descriptions	8-14
8.3.3 CCID Detail Screen	8-14
8.3.3.1 NDVRM510 Field Descriptions	8-15
8.3.4 CCID/Change-Log Entry/Entity/User List Screen	8-15
8.3.4.1 NDVRU520 Field Descriptions	8-16
8.3.5 CCID/Change-Log Entry/Entity/User Detail Screen	8-17
8.3.5.1 NDVRM520 Field Descriptions	8-19
8.3.6 Entity/Status For CCID List Screen	8-21
8.3.6.1 NDVRU530 Field Descriptions	8-22
8.3.7 Entity/Status for CCID Detail Screen	8-22
8.3.7.1 NDVRM530 Field Descriptions	8-23
Chapter 9. Status Processing	9-1
9.1 Introduction	9-2
9.2 Processing Options Summary	9-4
9.2.1.1 Browse Status Descriptors	9-4
9.2.1.2 Add a Status Descriptor	9-4
9.2.1.3 Modify Status Descriptors	9-5
9.2.1.4 Delete Status Descriptors	9-5
9.2.1.5 Browse Status/Entity Associations	9-6
9.2.1.6 Add a Status/Entity Association	9-7
9.2.1.7 Modify Status/Entity Associations	9-7
9.2.1.8 Delete Status/Entity Associations	9-8
9.3 Processing Screen Descriptions	9-10
9.3.1 Status Functions Screen	9-10
9.3.1.1 NDVRU600 Field Descriptions	9-11

9.3.2 Status List Screen	9-12
9.3.2.1 NDVRU610 Field Descriptions	9-12
9.3.3 Status Detail Screen	9-13
9.3.3.1 NDVRM610 Field Descriptions	9-14
9.3.4 Status/Entity List Screen	9-14
9.3.4.1 NDVRU620 Field Descriptions	9-15
9.3.5 Status/Entity Detail Screen	9-15
9.3.5.1 NDVRM620 Field Descriptions	9-16
Chapter 10. User Processing	10-1
10.1 Introduction	10-2
10.2 Processing Options Summary	10-4
10.2.1.1 Browse User	10-4
10.2.1.2 Add a User Descriptor	10-4
10.2.1.3 Modify User Descriptors	10-5
10.2.1.4 Delete User Descriptors	10-5
10.2.1.5 Browse User/Change Associations	10-6
10.2.1.6 Add a Status/Entity Association	10-7
10.2.1.7 Modify User/Change Associations	10-7
10.2.1.8 Delete Status/Entity Associations	10-8
10.3 Processing Screen Descriptions	10-10
10.3.1 User Functions Screen	10-10
10.3.1.1 NDVRU700 Field Descriptions	10-11
10.3.2 User List Screen	10-13
10.3.2.1 NDVRU710 Field Descriptions	10-14
10.3.3 User Detail Screen	10-14
10.3.3.1 NDVRM710 Field Descriptions	10-15
10.3.4 User/Change Log Entry/Entity/CCID List Screen	10-15
10.3.4.1 NDVRU720 Field Descriptions	10-16
10.3.5 User/Change Log Entry/Entity/CCID Detail Screen	10-17
10.3.5.1 NDVRM720 Field Descriptions	10-18
Chapter 11. Dictionary Descriptor Processing	11-1
11.1 Introduction	11-2
11.2 Processing Options Summary	11-4
11.2.1.1 Browse Change Log Entries	11-4
11.2.1.2 Modify Change Log Entries	11-5
11.3 Processing Screen Descriptions	11-6
11.3.1 Dictionary Functions Screen	11-6
11.3.1.1 NDVRU800 Field Descriptions	11-6
11.3.2 Dictionary List Screen	11-8
11.3.3 Dictionary Descriptor Detail Screen	11-9
11.3.4 Dict/Change Log/Entity/User/CCID List Screen	11-9
11.3.4.1 NDVRU820 Field Descriptions	11-10
11.3.5 Dict/Change-Log/Entity/User/CCID Detail Screen	11-11
11.3.5.1 NDVRM820 Field Descriptions	11-12
Chapter 12. Management Group Processing	12-1
12.1 Introduction	12-2
12.2 Processing Options Summary	12-4
12.2.1.1 Browse CCID Descriptors	12-4

12.2.1.2	Add Management Group	12-4
12.2.1.3	Modify Management Groups	12-5
12.2.1.4	Delete Management Groups	12-5
12.2.1.5	Browse Management Group/CCID Associations	12-6
12.2.1.6	Add a Management Group/CCID Association	12-6
12.2.1.7	Modify Management Group/CCID Associations	12-7
12.2.1.8	Delete Management Group/CCID Associations	12-7
12.3	Processing Screen Descriptions	12-9
12.3.1	Management Group Functions Screen	12-9
12.3.1.1	NDVRU900 Field Descriptions	12-9
12.3.2	Management Group List Screen	12-10
12.3.2.1	NDVRU910 Field Descriptions	12-11
12.3.3	Management Group Detail Screen	12-11
12.3.3.1	NDVRM910 Field Descriptions	12-12
12.3.4	Management Group/CCID List Screen	12-12
12.3.4.1	NDVRU920 Field Descriptions	12-13
12.3.5	Management Group/CCID Detail Screen	12-13
12.3.5.1	NDVRM920 Field Descriptions	12-14
Chapter 13.	Batch Compilers	13-1
13.1	Description	13-2
13.2	Batch Submit Procedure	13-3
13.3	JCL and NDVRBOOK Syntax	13-4
Chapter 14.	Reporting	14-1
14.1	CCDB Reporting	14-2
14.2	CA-CULPRIT Modules	14-3
14.2.1.1	Common Modules	14-3
14.2.1.2	Input Modules	14-3
14.2.1.3	Output Modules	14-4
14.3	Running Reports	14-5
14.3.1	Selecting Input	14-5
14.3.1.1	Legend	14-6
14.3.2	Report Groups	14-6
14.3.3	Selection Criteria	14-7
14.3.4	Selection Criteria Coding Rules	14-8
14.3.5	Creating an Archive of Change Log Entries	14-9
14.3.6	Using an Archive of Change Log Entries	14-9
14.3.7	Coding Examples	14-9
14.3.8	Sample JCL	14-10
14.3.8.1	Legend	14-13
Appendix A.	Report Formats	A-1
A.1	Report No. 00: Reporting Commands and Messages	A-2
A.2	Report No. 01: Change Log Detail	A-3
A.3	Report No. 02: User Change Log Detail	A-4
A.4	Report No. 03: CCID Change Log Detail	A-5
A.5	Report No. 04: Entity Change Log Detail	A-6
A.6	Report No. 05: CCID Change Log Summary	A-7
A.7	Report No. 06: CCID List	A-8

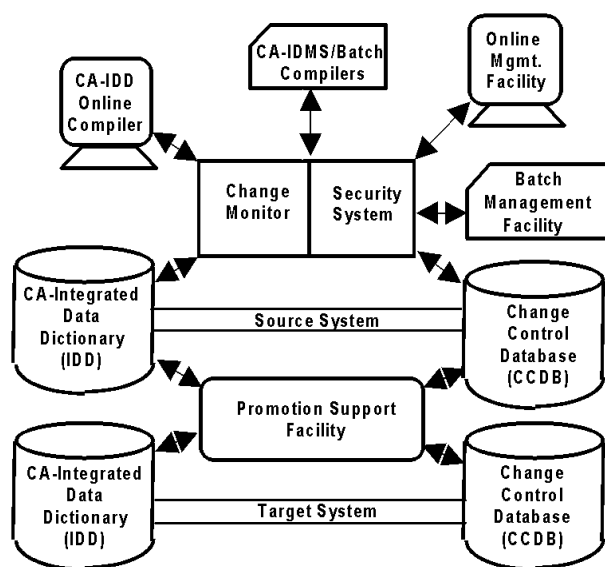
A.8	Report No. 07: User Change Log Summary	A-9
A.9	Report No. 08: User List	A-10
A.10	Report No. 09: Status List	A-11
A.11	Report No. 10: Management Group List	A-12
A.12	Report No. 11: Entity / CCID Change Log Summary	A-13
A.13	Report No. 12: Entity Change Log Summary	A-14
A.14	Report No. 13: CCID / Entity Status	A-15
A.15	Report No. 14: Entity Status History	A-16
A.16	Report No. 15: Post Migration Activity	A-17
A.17	Report No. 16: Source Migration Summary	A-18
A.18	Report No. 17: Target Migration Summary	A-19
A.19	Report No. 18: Entity Signout Detail	A-20
A.20	Report No. 19: Entity Signout by User	A-21
A.21	Report No. 20: Entity Signout by CCID	A-22
A.22	Report No. 21: Security Class/User	A-23
A.23	Report No. 22: Security Class/CCID	A-24
A.24	Report No. 23: Management Group/CCID	A-25
A.25	Report No. 24: Entity/User Change Log Summary	A-26
A.26	Report No. 25: Entity Preauthorization Detail Report	A-27
A.27	Report No. 26: Entity Preauthorization by User Report	A-28
A.28	Report No. 27: Entity Preauthorization by CCID Report	A-29
 Appendix B. Record Layouts		B-1
B.1	CA-CULPRIT Change Log Entry Record Layout -- NDVRRCLG	B-2
B.2	CA-CULPRIT CCID Record Layout -- NDVRRCCI	B-4
B.3	CA-CULPRIT CCID/Entity/Status List -- NDVRRCSL	B-5
B.4	CA-CULPRIT MGCC/CCID Record Layout -- NDVRRMGC	B-7
B.5	CA-CULPRIT Management Group Record Layout -- NDVRRMGP	B-8
B.6	CA-CULPRIT Signout Record Layout -- NDVRRSGN	B-9
B.7	CA-CULPRIT Status Record Layout -- NDVRRSTA	B-10
B.8	CA-CULPRIT User Record Layout -- NDVRRUSR	B-11
 Appendix C. Online/Batch Counterparts		C-1
C.1	Online/Batch Counterpart Table	C-2
C.1.1	SIGNOUT (FUNCTIONS)	C-2
C.1.2	PREAUTHORIZATION (FUNCTIONS)	C-2
C.1.3	LOCK (FUNCTIONS)	C-2
C.1.4	ENTITY (FUNCTIONS)	C-3
C.1.5	CCID (FUNCTIONS)	C-3
C.1.6	STATUS (FUNCTIONS)	C-4
C.1.7	USER (FUNCTIONS)	C-4
C.1.8	DICTIONARY (FUNCTIONS)	C-4
C.1.9	MANAGEMENT (GROUP) (FUNCTIONS)	C-5
C.1.10	CONTROL (FUNCTIONS)	C-5

Chapter 1. Introduction

1.1 Overview

CA-Endevor/DB, the Environment for Development and Operations, is a management system that controls and monitors change processing within the CA-IDMS environment. The use of CA-Endevor/DB streamlines the administration of the CA-IDMS environment and helps ensure a smooth migration from one stage of development (such as system testing) to the next.

CA-Endevor/DB is fully integrated with CA-IDMS and provides an interface between user requests against the CA-IDMS Integrated Data Dictionary (IDD) and the IDD itself. CA-Endevor/DB operates under OS/390.



CA-Endevor/DB:

1. Captures each update request made to the IDD (except for requests against entities for which update information is not being captured, as defined by the CA-Endevor/DB Administrator).
2. Guarantees that the user making the request is authorized to do so (if access-level security is in effect).
3. Documents the change in the CA-Endevor/DB Change Control Database (CCDB), automatically associating it with the user, the entity being modified, and any CA-Endevor/DB management information applicable to the change.
4. Passes the update request for processing to IDD.

Because CA-Endevor/DB is fully integrated with CA-IDMS, it monitors itself, as well as the IDD. Any changes to the CA-Endevor/DB CCDB are monitored just as carefully as those made to the IDD.

1.2 The Change Control Database

The controlling component of CA-Endevor/DB is the Change Control Database (CCDB). The CCDB contains information as follows:

- **Dictionary information** identifies the CA-IDMS Integrated Data Dictionary (IDD) that corresponds to the CCDB. There is a separate CCDB for each IDD.
- **Change Log Entries (CLEs)** document every change made to the IDD (or to the CCDB itself). Each CLE is associated in the CCDB with a "descriptor" for the entity that was changed, and the user responsible for the change. If a change was made under a particular Change Control Identifier (CCID), the CLE is associated with that CCID as well. CLEs are identified by the date and time of the change, and the type of action recorded by the change (ADD, MODIFY, or DELETE entity, for example).
- **Change Control Identifiers (CCIDs)** categorize CCDB information for control and reporting purposes. The use of CCIDs is optional. You might have one CCID for each project, for example, or within each project, a separate CCID for design activities, detailed specification activities, implementation activities, and so forth.

Typically, a project manager establishes CCIDs before work begins for a project so that CA-Endevor/DB can relate each entity update to the appropriate CCID(s). This allows the system to assign the correct CCID(s) automatically, as necessary, and gives the project manager the ability to control user access to the system by CCID. However, it is not a system requirement that CCID(s) be predefined for a project. CCIDs can also be manually established for existing CLEs.

There are two methods by which CCIDs can automatically be assigned to a CLE.

- One method is to sign on to CA-Endevor/DB under a CCID. Each user signs on to CA-Endevor/DB under one or more CCIDs. All work performed during the session is logged to the Signon CCID(s). Optionally, individual entities can be Signed out to a particular CCID, so that modification against that entity can only occur within the context of the CCID.
 - The second method is by Derived CCIDs. In some shops, it may be unfeasible to require that all users sign on to CA-Endevor/DB each time they switch from one CCID to another. For example, if a unique CCID is established for every change for every DIALOG, programmers would be issuing CA-Endevor/DB signons on a frequent basis. To circumvent this problem, the CCDB Administrator can predefine the relationships between CCIDs and dictionary entities, and the programmers can run in "DERIVED CCID" mode. When doing so, they only signon to CA-Endevor/DB to specify their userid. The CCID to which a given change is attributed will be determined by the presence of a PREAUTHORIZATION junction. This processing mode is specified through the SECURITY-CLASS record.
- **Management groups** classify CCIDs for reporting purposes. A single management group might include all CCIDs for a particular project, for example, or for several related projects.

- **User information** describes individual users -- or user groups -- to the system. For each user, the system stores a name, password (optional), security restrictions, and descriptive comments. The name and password are used during Signon, to identify the user to the system and to verify that the user is authorized to use the system. The security class identifies the set of security restrictions in effect for the user (further described in the *CA-Endevor/DB Administrator's Guide*).

If you are using Signon CCIDs, the system also stores a list of CCIDs under which each user is working (or under which the user last worked). These Signon CCID(s) stay in effect for a given dictionary until they are changed or until you signon with a different CCID(s). If you are using the Derived CCID option for the user, CCIDs are dynamically assigned and Signon CCIDs are not used.

If necessary, a particular user might be restricted from dictionary access altogether. This can effectively secure your database against tampering by persons no longer permitted access.

- **Entity information** describes the entities for which CLEs have been written. A record, known as an "entity descriptor," is recorded in the CCDB automatically for each entity that is updated. For any given entity, the descriptor identification (entity name, type, and version) is identical to that for the entity itself.

If necessary, you can set up an entity descriptor for an entity for which CLEs have not yet been written, in anticipation of subsequent change or in preparation to pre-authorize a user or CCID to access that entity.

- **Status identifiers** may be associated with an entity or with an entity within the context of a particular CCID. Each entity or entity/CCID combination can have only one status associated with it at any given time. Status names are user-defined and might identify a system component as "Designed," "In Development," "Completed," "Programmed," "Tested," and so forth. Each status name is unique on the CCDB but may be associated with (assigned to) any number of entities or entity/CCID combinations.

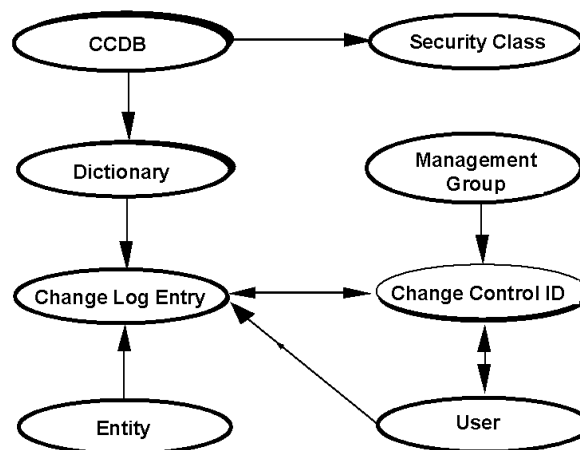
For example, you might have a status named "Testing" that would be assigned to every entity in the testing phase of development, across all CCIDs and management groups in the CCDB.

- **Security classes** control whether each user, CCID, or dictionary is allowed access to various system facilities. Security classes might restrict a user from access to a particular subfunction option or a particular entity, for example, or might specify that the user can (or cannot) work without Signing on under a CCID. Refer to the *CA-Endevor/DB Administrator's Guide* for more information about security classes and other security considerations.
- **Preauthorization** - Users can be restricted from processing under a particular CCID(s). They can also be "preauthorized" to use a particular CCID, ensuring that the user -- and only the user -- can process under that CCID. Similarly, entities might be restricted from access under a particular CCID(s). An entity might also be preauthorized for use with a particular CCID(s) -- or only by a particular user signed on under a specific CCID.

Preauthorizations may be used in any or all of five places:

- For specific entities - to set restrictions so that only preauthorized users may change them.
- For specific users - to restrict which entities they are allowed to change.
- To control which users are allowed to signon to CA-Endevor/DB or to make changes under given CCIDs.
- To control which users are allowed to establish entity-status relationships for certain statuses. These relationships are used to control the promotion process.
- To predefine the CCID to which changes will be attributed for certain entities.

The diagram below shows how the various types of CCDB information interrelate. The CCDB record in the upper left simply identifies the CCDB and is not described with the CCDB components above.



1.3 System Components

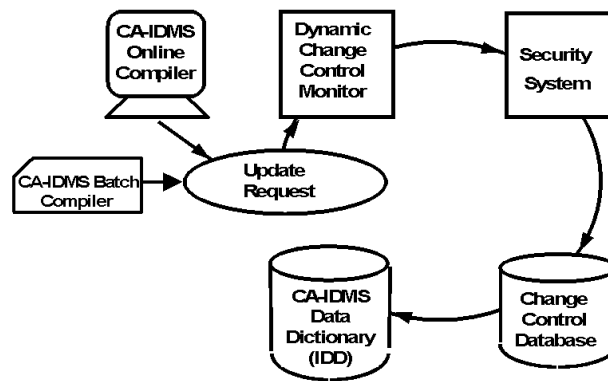
The software components that make up the operational *CA-Endevor/DB* system include:

- The Change Monitor
- The Security Access Subsystem
- The Management Facility (Online and Batch)
- The Promotion Support Utilities

The first two components -- the Change Monitor and the Security Access Subsystem -- operate during IDD update processing, to control and record changes made to the IDD.

- **The Change Monitor** checks all changes made to IDD entities by programmers, validates all requests through the Security Access Subsystem, passes the validated requests on to the IDD, and writes a Change Log Entry to the CCDB that reflects each change made.
- **The Security Access Subsystem** enforces any access restrictions placed on the IDD.

The figure below illustrates how these components work:



In addition to operating during IDD update processing, the Security Access Subsystem is used by project managers to define and view IDD access-control information (who can access what entities, and under which CCIDs, for example). These functions of the subsystem are discussed in the *CA-Endevor/DB Administrator's Guide*.

The third CA-Endevor/DB component, the **Management Facility**, is used by project managers to define and view information in the CCDB that is useful in monitoring project workflow and programmer productivity. The **Batch Management Facility** supports management of CCDB definitions through use of free-form, English-like commands. Refer to the *CA-Endevor/DB Batch Reference Guide* for information on the Batch Management Facility. The **Online Management Facility**, covered by this docu-

ment, supports the management of CCDB definitions and provides the ability to browse the history of changes made to the IDD. Appendix C, "Online/Batch Counterparts" contains a table describing the functions available in the Online Management Facility and their equivalent Batch Management Facility commands.

The final CA-Endevor/DB component, the **Promotion Support Utilities**, in conjunction with the Dynamic Change Monitor and the CCDB, gives CA-Endevor/DB the unique capability to assure accurate promotions while eliminating a majority of the time-consuming tasks normally associated with migration. CA-Endevor/DB facilities can be used to perform all migration tasks or to interface with an existing migrator in use at an installation. For more information, refer to the *CA-Endevor/DB Administrator's Guide*.

Chapter 2. Getting Started

2.1 Introduction

This chapter describes how to get started with the Online Management Facility, including how to invoke and Signon to CA-Endevor/DB, and how to process the Main Function Menu returned from a successful Signon. At the end of this chapter is a section on how to exit from CA-Endevor/DB from any subfunction menu.

All CA-IDMS, CA-IDMS/UCF and batch processing runs under an assigned CA-IDMS/DC userid. In the case of :

- **Direct CA-IDMS logon**, the userid is taken from the VTAM login.
- **CA-IDMS/UCF and batch processing**, the userid is taken from the originating interactive session (TSO, CICS), or from the batch job (JOB card USER parameter).

The purpose of the CA-IDMS/DC SIGNON task is to switch userids - all CA-IDMS/DC processing is now done under a specific userid.

When CA-Endevor/DB is used to monitor dictionary changes by any of these means, it will automatically determine the CA-IDMS/DC userid, and attribute the dictionary changes to that userid. It determines your userid at the instant of your first dictionary update, and "remembers" it for as long as you are connected to CA-IDMS. Thus, you can execute CA-IDMS dictionary utilities (IDD, ADSC, etc.), and the dictionary updates will automatically be attributed to your CA-IDMS/DC userid.

While the automatic usage of your CA-IDMS/DC userid is often useful, there are several situations where it is not appropriate:

- If your site requires the use of CA-Endevor/DB passwords.
- If you need to switch from working under one set of CCIDs to another.
- If you change CA-IDMS/DC userids after making changes to a dictionary.

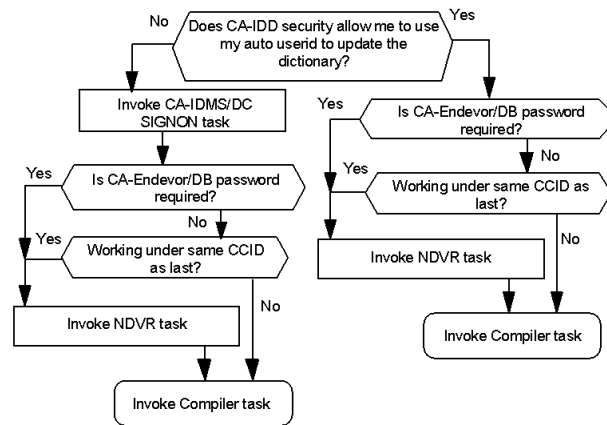
For the preceding cases, a utility program is supplied by the CA-IDMS/DC task code "NDVR". The NDVR task is used to perform many functions, the first of which is a CA-Endevor/DB Signon (complete with password and/or CCIDs).

2.2 SIGNON Procedures

When you sign onto CA-IDMS/DC, you can do either of the following:

- Immediately update dictionaries
- First invoke NDVR and perform an explicit CA-Endevor/DB Signon.

Your choices are illustrated below:



2.3 Invoking CA-Endevor/DB

To invoke CA-Endevor/DB, use either of two CA-IDMS/DC task codes: **NDVR** or **NDVRMIS**.

- Use **NDVR** to display the Signon Function screen.
- Use **NDVRMIS** to go directly to the Main Function Menu screen, bypassing the Signon Function screen.

Note: If CA-Endevor/DB requires a password, using NDVRMIS will not bypass the Signon Function screen. The first time that you sign on to a CA-IDMS/DC session, you must always enter your password on the Signon Functions screen.

In either case, when you invoke CA-Endevor/DB, the system automatically tries to locate three pieces of information:

- Your user name (i.e., the user name in effect for the terminal session).
- The list of CCIDs for your user name (for Signon CCID processing).
- The dictionary being processed.

To do this, the system first looks to see if CA-Endevor/DB has been invoked during this session. If so, it takes the user name and list of CCIDs used at that time (if any Signon CCIDs are used). If not, it constructs the user name using the CA-IDMS/DC USERID for the session (if possible), and assumes a blank CCID list for the user. (If the Derived CCID option is in effect, CCIDs are dynamically assigned through the use of preauthorizations.) In either case, the system then finds the dictionary last used for the session (generally set by DCUF or a compiler).

If you invoked CA-Endevor/DB using the NDVR task code, the system returns the Signon Function screen, filled in to the extent possible based on the processing described above. If you invoked CA-Endevor/DB using the NDVRMIS task code, the system goes directly to the Main Function Menu, assuming adequate Signon information was obtained automatically (above). Otherwise, if the Signon information is not adequate, the system returns the Signon Function screen, again filled in to the extent possible.

Be aware that the following messages are common on the Signon Function screen:

- **NDVRSECY: E010 USER REQUIRED IN SIGNON**

No user-id was specified at the CA-IDMS/DC SIGNON and no user-id was specified on the SIGNON FUNCTION screen. Enter a user-id in the USER NAME field on the SIGNON FUNCTION screen.

- **NDVRFLIO: E020 REQUESTED USER *user-id* RECORD NOT FOUND**

The system attempted to construct the CA-Endevor/DB user information from the CA-IDMS/DC USERID, but the indicated *user-id* does not correspond to a valid CA-Endevor/DB user name. Overtyping the name with a valid CA-Endevor/DB user name.

■ **NDVRM000: W003 SPECIFY A CA-ENDEVOR/DB SUPPORTED DBNAME**

No dictname has been set for the session, typically using a CA-IDMS/DC DCUF SET DICTNAME command. Enter the dbname of a dictionary operating under CA-Endevor/DB in the DBNAME field.

■ **NDVRM000: E003 *dbname* IS NOT A CA-ENDEVOR/DB SUPPORTED DBNAME**

CA-Endevor/DB is not in use for the indicated *dbname*. Overtyping the DBNAME field with the dbname of a dictionary operating under CA-Endevor/DB.

2.4 Signon Function Screen

```

CA-E/DB 15.0 CAABF0          SIGNON FUNCTION          05/05/97  NDVRM000
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

OPTION ==> 2

  1 - SIGNON AND RETURN TO IDMS          2 - SIGNON AND GO TO FUNCTION MENU

ENDEVOR/DB USER:
  NAME          ==> EDBADMIN
  PASSWORD      ==>

CCID(S):        ==> EDB-QA          ==>          ==>
( NOCCID        ==>          ==>          ==>
TO CLEAR)       ==>          ==>          ==>
                ==>          ==>          ==>

ONLINE SYSTEM PARAMETERS:
  DBNAME        ==> SRCNDVR
  USAGE MODE    ==> UPDATE

```

If the Signon information displayed is correct, simply select the option you want (**1** to return to IDMS after Signon; **2** to proceed to the CA-Endevor/DB Main Function Menu) and press Enter.

If the information is not correct, fill in the screen fields as follows before pressing Enter.

2.4.1 Signon Screen Fields

2.4.1.1 OPTION

Number that defines where you want to go after Signon.

Option	Used to:
1	Return to CA-IDMS/DC. This might be used, for example, to Signon under a CA-Endevor/DB user name before updating the IDD using an CA-IDMS/DC compiler, or to establish the current CCIDs before updating the IDD.
2	Proceed to the CA-Endevor/DB system.

2.4.1.2 ENDEVOR/DB USER

Information used to identify the user.

Field	Description
Name	Name of the user, as defined to CA-Endevor/DB. This name must correspond to a user record stored in the CCDB. The user name is displayed initially as the last CA-Endevor/DB user Signed on for the terminal session (if any), or the CA-IDMS/DC USERID for the terminal session (if not).
Password	Eight-character CA-Endevor/DB security password for the named user. Required (and applicable only) if passwords are in use.

2.4.1.3 CCIDs

If Signon CCIDs are used, these are the CCIDs under which you are processing. Displayed initially as the CCIDs for the user shown above, as of the last successful CA-Endevor/DB Signon (if any) for a given dictionary, or blanks (if not). If the CCIDs entered differ from those stored for the user in the CCDB, the CCDB is updated to reflect the new values.

The CCIDs specified stay in effect for a given dictionary until they are changed using the CA-Endevor/DB User and User Change History Facility (described in Chapter 8), or until you Signon with a different CCID.

If the Derived CCID option is in effect for the user, CCIDs are dynamically assigned through the use of preauthorizations and these CCID fields are not used.

Note: If you specify NOCCID, it will clear the list of current CCIDs for the user.

In addition, Derived CCID processing enables users to switch from one CCID to another without having to sign on under the different CCIDs. Without Derived CCIDs, for example, if a unique CCID is established for every change for every DIALOG, programmers would be issuing CA-Endevor/DB signons on a frequent basis. To circumvent this problem, the CA-Endevor/DB administrator can predefine the relationships between CCIDs and dictionary entities, and the programmers can run in "DERIVED CCID" mode. When doing so, they only signon to CA-Endevor/DB to specify their userid. The CCID to which a given change is attributed will be determined by the presence of a PREAUTHORIZATION junction.

2.4.1.4 ONLINE SYSTEM PARAMETERS

Used to identify the dictionary and usage mode under which to process. The DBNAME set in this screen does not take effect outside of the CA-Endevor/DB session in progress (i.e., it does not function like a DCUF SET DICTNAME command). Setting the DBNAME under CA-Endevor/DB controls the dictionary processed by the online display and update system. During IDD and dictionary update compiler execution, the dictionary being modified will determine the CCDB in which Change Log Entries are recorded.

Field	Description
DBNAME	Eight-character name of the Integrated Data Dictionary and corresponding CCDB to be processed. Displayed initially as the dictionary name last set for the session, generally by DCUF or an CA-IDMS compiler. If you will be using a different dictionary name, you must specify that dictionary name here.
Usage Mode	<p>The way in which you are processing the CCDB:</p> <ul style="list-style-type: none">■ BROWSE - you can view CCDB data, but cannot modify it. This mode is set automatically if you do not have access to any of the MIS/Online update functions.■ UPDATE - you can view and update CCDB data. <p>If you do not intend to update the CCDB, set the mode to BROWSE to protect the CCDB against unintentional revision.</p>

2.5 Main Function Menu

If you choose OPTION 2 from the Signon Function screen (or use the NDVRMIS task code to invoke CA-Endevor/DB, as described above), CA-Endevor/DB returns the Main Function Menu, shown below.

Note: If security is in effect for your user name(as defined during installation), the menu displayed may not include all of the options shown below.

```

CA-E/DB 15.0 CAABF0          MAIN FUNCTION MENU          05/05/97 NDVRU000
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

OPTION ==>

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC

```

Options **1-3** are used to perform database administration functions and are further documented in the *CA-Endevor/DB Administrator's Guide*.

Options **4-9** on this menu are used for the Online Management Facility, and are discussed in this manual. (For Option **8** only some of the functions are discussed in this manual. Other functions are a part of the Security Access Subsystem and are described in the *CA-Endevor/DB Administrator's Guide*.)

Options **10-11** are used in conjunction with the Security Access Subsystem, and are further documented in the *CA-Endevor/DB Administrator's Guide*.

Options 1, 2 and 4-11 have corresponding Batch Management Facility commands. These Batch commands eliminate interactive screen navigation and may be desirable when processing large numbers of commands. A table providing information about the different options and Batch counterparts is located in Appendix C.

The list below describes menu options **4-9**.

2.5.1.1 OPTION 4: ENTITY AND ENTITY CHANGE HISTORY

Used to:

- View and maintain CCDB information for one or more entity descriptors.
- Review the history of changes for one or more entities.
- Review the status history for one or more entities.

This option corresponds to the ENTITY command of the Batch Management Facility. Refer to Appendix C for more information.

2.5.1.2 OPTION 5: CCID AND CCID CHANGE HISTORY

Used to:

- View and maintain CCDB information for one or more CCIDs.
- View the changes made within the context of one or more CCIDs.
- Review/revise the associations between CCIDs and Change Log Entries, which document the changes made under a particular CCID.
- For a particular CCID, review the current status of every entity modified under that CCID.

This option corresponds to the CCID command of the Batch Management Facility. Refer to Appendix C for more information.

2.5.1.3 OPTION 6: STATUS AND STATUS ASSOCIATIONS

Used to:

- View and maintain status definitions in the CCDB.
- Review, set, change, or delete the status setting for an entity (optionally within the context of a particular CCID).

This option corresponds to the STATUS command of the Batch Management Facility. Refer to Appendix C for more information.

2.5.1.4 OPTION 7: USER AND USER CHANGE HISTORY

Used to:

- View and maintain CCDB information for one or more users.
- Review/revise the associations that exist between users and Change Log Entries, which document the changes made by a particular user.

This option corresponds to the USER command of the Batch Management Facility. Refer to Appendix C for more information.

2.5.1.5 OPTION 8: DICTIONARY AND DICTIONARY HISTORY

Used to:

- Review the history of changes made to one or more entities stored in the dictionary.
- Modify the comments associated with a change to an entity.

This option corresponds to the **DICTIONARY** command of the Batch Management Facility. Refer to Appendix C for more information.

2.5.1.6 OPTION 9: MANAGEMENT GROUPS AND CCIDs

Used to:

- View and maintain management group definitions.
- Review/revise the CCIDs assigned to a particular management group.

This option corresponds to the **MANAGEMENT GROUP** command of the Batch Management Facility. Refer to Appendix C for more information.

To request an option from the Main Function Menu, fill in the **OPTION** field as appropriate (for example, **5** for CCID processing), then press Enter. Processing continues with the subfunction menu for the option requested. Refer to the appropriate chapter of this manual for instruction related to the requested option.

Read Chapter 3 before proceeding further. All subsequent chapters assume familiarity with the information in that chapter.

2.6 Exiting From CA-Endevor/DB

When you are through processing, you can return to CA-IDMS/DC in either way described below:

- Return to the Main Function Menu and select option 12 (Return to CA-IDMS/DC) or press PF3 or CLEAR.
- Fill in an option of **=12** or **=x** and press Enter from any subfunction menu screen, or fill in an action of **=12** or **=x** and press Enter from any other screen. You must enter a space after the action.

If you want to return to the Signon Function submenu (to change dictionaries, for example), fill in an option of **=11** and press Enter from any subfunction menu screen, or fill in an action of **=11** and press Enter from any other screen.

2.7 Restarting CA-Endevor/DB

To allow for shutting down and/or restarting CA-Endevor/DB, two task codes are available:

- NDVRINIT is a task code that will start CA-Endevor/DB. This task code can be used in an AUTOTASK statement if CA-Endevor/DB is to be initiated at CV startup. If the task code is entered after CA-Endevor/DB is active, no action will result.
- NDVRRSET is a task code that will terminate CA-Endevor/DB. CA-Endevor/DB normally terminates at CV shutdown.

Chapter 3. Background Information About Screen Processing

This chapter describes processing considerations that are general to all CA-Endevor/DB processing, including:

- A description of screen header lines.
- Instructions to use the two types of processing screens:
- List screens and Detail screens.
- Instructions to use the OPTION and ACTION fields.
- Standard keyboard functionality.
- A description of the CCDB entities.

3.1 Screen Header Lines

Each CA-Endevor/DB screen contains standard information in the first two lines. The Main Function Menu screen, below, illustrates this:

```
CA-E/DB 15.0 CAABF0      MAIN FUNCTION MENU      05/05/97  NDVRU000
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR      MODE ==> UPDATE

OPTION ==>

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC
```

The first line includes information as follows:

- Product name and release.
- Volume serial number of the release tape.
- Screen title.
- Current date (mm/dd/yy format).
- Screen number. Each CA-Endevor/DB screen number takes the form **NDVRxymn**, where:
 - **x** is "M" for a Detail screen; "U" for a menu or List screen. (Detail and List screens are defined below.)
 - **y** identifies the area of processing: "1-9" for Main Function Menu Options 1-9, "0" for Signon and main menu processing, and "A" for administrative processing (covered in the *CA-Endevor/DB Administrator's Guide*).
 - **mn** is a sequential number that identifies the screen uniquely: "10," "20," "30," and so forth.

The second line lists the user name, dictionary, and mode under which you are processing (BROWSE or UPDATE), as defined at Signon.

3.2 List and Detail Screen Processing

Each option from the Main Function Menu returns a subfunction menu screen which, in turn, provides the facilities available for that option. To request one of these facilities, fill in the option item on the subfunction menu, as well as any other items pertinent to the request, then press Enter. CA-Endevor/DB returns either a List or a Detail screen.

A List screen displays all items appropriate to the request so that you can select one or more items for detailed processing. The instructions for each List screen tell you how to proceed for that screen.

CA-E/DB 15.0 CAABF0		CCID/CHANGE-LOG ENTRY/ENTITY/USER LIST		05/05/97	NDVRU520
USER ==> EDBADMIN		DICTNAME ==> SRCNDVR		MODE ==>	UPDATE
ACTION ==> BROWSE					
	CCID	LOG-ENTRY	ENTITY NAME	TYP VERS	USER
-	EDB-DEVELOP	A 04/30/97	DEPTMAP	LOA 1	EDBADMIN
-	EDB-DEVELOP	A 04/30/97	DEPTMAP	HEL MOD 1	EDBADMIN
-	EDB-DEVELOP	M 04/30/97	DEPTMAP	MAP 1	EDBADMIN
-	EDB-QA	M 04/30/97	DEPTUPD-PREMAP	PRC 1	EDBADMIN
7	EDB-QA	A 04/30/97	DEPTUPD-ENTER	PRC 1	EDBADMIN
-	EDB-SYSADMIN	I 04/28/97	STRUCTURE	REC 100	EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	SKILL	REC 100	EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	JOB	REC 100	EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	INSURANCE-PLAN	REC 100	EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	HOSPITAL-CLAIM	REC 100	EDB-SYST

The Entity List screen above lists the entity descriptors recorded in the CCDB. To select one or more entity descriptors from the list for further processing, place any non-blank character to the left of each descriptor you want, then press Enter. The resulting display shows the detail for the first descriptor selected.

The end of each list is marked by the message, * **END** * (or * **END OF DATA** *, space providing). If the list exceeds one page, use the PF8 key to scroll through the list (PF7 to scroll back up to the * **START OF DATA** * message).

A Detail screen shows detailed information from the CCDB, for a particular item or combination of items. Depending on the request being processed (and assuming you are in Update Usage Mode), a Detail screen may allow for update of the CCDB information.

The Detail screen below was returned when the user selected (placed any character next to) the fifth entity descriptor displayed on the List screen above.

```
CA-E/DB 15.0 CAABF0  CCID/CHANGE-LOG ENTRY/ENTITY/USER DETAIL 05/05/97  NDVRM520
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
***** CCID INFORMATION *****
NAME ==> EDB-QA          SECURITY CLASS ==> QA          LOCKED ==> N
COMMENT ==> E/DB 15.0 QA
***** CHANGE-LOG ENTRY INFORMATION *****
DATE ==> 04/30/97          TIME ==> 08:03:09          ACTION ==> M
COMMENT ==>
PROGRAM ==> IDMSDDL
***** ENTITY INFORMATION *****
NAME ==> DEPTUPD-PREMAP          VERSION ==> 1
TYPE ==> PROCESS
COMMENT ==>
***** USER INFORMATION *****
NAME ==> EDBADMIN          LOCKED ==> N
SECURITY CLS ==> NDVR-GLOBAL
CURRENT CCID ==>

COMMENT ==>
```

3.3 Using the OPTION and ACTION Fields

Every menu and submenu screen in the CA-Endevor/DB system has an Option field on the first detail (non-header) line, which displays initially as blanks. Every List and Detail screen has an ACTION field, which displays initially as a literal describing the type of processing requested from the previous submenu screen (generally ADD, MODIFY, DELETE, or BROWSE). These fields can be used at any time and from any screen, to jump to another subfunction menu or to exit the system, as follows:

- To jump to another submenu, fill in an option/action value of **=n** and press Enter, where "n" is the number of the option used to request the submenu from the Main Functions Menu (**4** for the Entity Functions submenu, **5** for the CCID Functions submenu, and so forth).
- To exit from the CA-Endevor/DB system (and return to CA-IDMS-DC), fill in an option/action value of **=12** or **=x** and press Enter.

For Detail screens, you can also use the ACTION field to skip processing for the current screen and continue on with the next screen. For example, you might do this when you have selected multiple items from a previous List screen for detailed processing, and the Detail screen for one of the selected items is displayed. To skip processing for that item and continue with the next item selected, you would clear the ACTION field and press Enter.

3.4 Standard Keyboard Functions

For each CA-Endevor/DB screen, the control key functions are identical, as described below.

Note: For each PF key listed below, you can use the "shadow" key instead. For example, PF1 and PF13 have identical functions; PF2 and PF14 have identical functions, and so forth.

Key	Use
ENTER	Process the screen
PA1, PA2, or PA3	Redisplay the screen as originally displayed.
PF1	Obtain Help text. For screen-level help, place the cursor in the message area. For field-level help, tab to the variable field. From the Help text display, press Clear or PF3 to return to the processing screen.
PF3 or CLEAR	Return to the previous logical screen. From the Main Function Menu, return to CA-IDMS-DC. PF3/Clear is used from the ADD, MODIFY, and DELETE detail functions to abort the requested processing without changing the CCDB.
PF7	Scroll up to see lines that are not visible at the top of the screen (applies for List screens only).
PF8	Scroll down to see lines that are not visible at the bottom of the screen (applies for List screens only).

3.5 CCDB Entity Names

CA-Endevor/DB maintains a record of changes against its own CCDB, as well as against the Integrated Data Dictionary (IDD). CCDB entity types are referenced in the same way as IDD entity types. The list below describes the types of entities in the CCDB:

Entity Name	Refers To:
CCDB	Record identifying the CCDB.
DICTIONARY	Record that describes the dictionary associated with the CCDB.
SECURITY-CLASS	Record that stores security definitions.
MANAGEMENT-GROUP	Record that describes a management group.
CCID	Record that describes a CCID.
USER	Record that describes a CA-Endevor/DB user.
STATUS	Record that describes a status.
ENTITY	Record that describes a CCDB or IDD entity occurrence.

Chapter 4. Signin/Signout Functions

4.1 Introduction

Signin and Signout processing (option **1** on the Main Function Menu) allows you to explicitly reserve entities for the exclusive use of a CCID or a user. The Auto-Signout capability can also be employed to automatically Signout an entity on first modification implicitly. (See the *CA-Endevor/DB Administrator's Guide* for more information.) Regardless of whether the entity was Signed out implicitly or explicitly, you can view all the entities Signed out to a user or CCID and Signin those entities using the screens described below. To request this facility, fill in an option value of **1** and press Enter from the Main Function Menu.

```
CA-E/DB 15.0 CAABF0          MAIN FUNCTION MENU          05/05/97 NDVRU000
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

OPTION ==> 1

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC
```

CA-Endevor/DB returns the Signin/Signout Functions submenu, shown at the top of the next page. Remember that the subfunction menu displayed for any given user may differ from that shown here, depending on whether menu items have been masked from use.

Before reading further, you should be familiar with the screen-handling information in Chapters 1 through 3.

4.2 Signin/Signout Functions Submenu

The options available from the Signin/Signout Functions submenu are described below. For each option, the description includes its use and instructions to process. The detailed screens used for Signin/Signout processing are described individually, following the option summary.

CA-E/DB 15.0 CAABF0	SIGNIN/SIGNOUT FUNCTIONS	05/05/97 NDVRU100
USER ==> EDBADMIN	DICTNAME ==> SRCNDVR	MODE ==> UPDATE
OPTION ==>		
1 - BROWSE ENTITIES SIGNED OUT	2 - SIGNOUT ENTITIES	
3 - SIGNIN ENTITIES		
ENTITY:		(IF OPTIONS 1 - 3)
NAME	==>	
TYPE	==>	
VERSION	==>	
USER	==>	(IF OPTIONS 1 - 3)
CCID	==>	(IF OPTIONS 1 - 3)

4.3 Processing Options Summary

This section describes the following options:

- Option 1: Browse Entities Signed Out
- Option 2: Signout Entities
- Option 3: Signin Entities

4.3.1.1 Browse Entities Signed Out

Use this option to browse entities signed out to a user or CCID. Optionally, select one or more entity descriptors and display detailed CCDB information for those descriptors.

To use this option, follow these steps:

1. Specify option **1** on the Signin/Signout Functions submenu (NDVRU100). Identify the entity descriptors, the user or the CCID for which the information is desired. You can identify a specific descriptor by filling in the entity name, type, and version. Alternatively, leave these fields blank or supply partial information (entity name, type, and/or version), to obtain a list of all entity descriptors (if blank), or all descriptors that match the partial identification given.

Press Enter.

2. If you did not qualify the entity descriptor uniquely, CA-Endevor/DB returns the Status Entity List screen (NDVRU110). View the list and select the entity descriptors for which you want more detailed Signout information.
3. CA-Endevor/DB returns the Signout Detail screen (NDVRM110), showing the current CCDB Signout data for the first entity selected. If you made multiple selections above (Step 2), press Enter to see the detail for the next descriptor selected, and so on until all Signout descriptors have been viewed.

4.3.1.2 Signout Entities

Use this option to signout an entity to a user or CCID explicitly. When an entity is signed out to a user or a CCID, only that user or a user working under the CCID (if signed out to a CCID) can update that entity.

To use this option, follow these steps:

1. Specify option **2** on the Signin/Signout Functions submenu (NDVRU100). Optionally, identify the entity descriptor to be Signed out and the user or CCID to be Signed out to. You can define the entity descriptor uniquely by filling in the name, type, and version of the corresponding entity. Alternatively, leave any or all of these fields blank (and pick an entity or entities from the resulting List screen). Only entities not previously Signed out (and therefore eligible) will be listed. The user or CCID can be filled in on the Detail screen as well.

Press Enter.

2. When CA-Endevor/DB obtains the entity name (from the List screen) it returns the Signin/Signout Detail screen (NDVRM110) for each item selected from the List screen.
3. When CA-Endevor/DB obtains the entity name from the List screen or direct specification on the submenu), it returns the Signin/Signout Detail screen (NDVRM110), filled in with as much identifying information as you supplied on the Signin/Signout Functions submenu.

Fill in (or overwrite) the entity name, type, and version; CCID; or user as necessary. Add any comments desired, then press Enter to Signout the entity. If the entity does not exist in the CCDB, the request will be rejected.

4.3.1.3 Signin Entities

Use this option to signin entities previously signed out to a user or CCID. Once an entity is signed in, it can be modified and/or signed out to other users or CCIDs.

To use this option, follow these steps:

1. Specify option **3** on the Signin/Signout Functions submenu (NDVRU100).
Optionally, identify the entity descriptor to be Signed in, the user or the CCID to be Signed in, **but not both**. You can define the entity descriptor uniquely by filling in the name, type, and version of the corresponding entity. Alternatively, leave any or all of these fields blank (and pick an entity or entities from the resulting List screen). If the user or CCID is be filled in, the list will be specific to that user or CCID. Only entities currently Signed out are listed.

Press Enter.

2. When CA-Endevor/DB obtains the entity name from the List screen, it returns the Signin/Signout Detail screen (NDVRM110) for each item selected from the List screen.
3. When CA-Endevor/DB obtains the entity name (from the List screen or direct specification on the submenu), it returns the Signin/Signout Detail screen (NDVRM110) filled in with as much identifying information as you supplied on the Signin/Signout Functions submenu.

Fill in (or overwrite) the entity name, type, and version; CCID; or user as necessary. Add any comments desired, then press Enter to Signin the entity. If the entity does not exist in the CCDB, the request will be rejected.

4.4 Processing Screen Descriptions

The rest of this chapter describes the detailed screens used for Signin/Signout Processing. They are presented by Screen ID, in the order shown below:

Screen ID	Screen Name	Used by Options
NDVRU100	Signin/Signout Functions	1, 2, and 3
NDVRU110	Signin/Signout List	1, 2, and 3
NDVRM100	Signin/Signout Detail	1, 2, and 3

4.4.1 Signin/Signout Functions Screen

Use the Signin/Signout functions screen to view and Signout/in entities to users or CCIDs. Fill in the screen for the option desired at the beginning of this chapter. Press Enter when you are finished.

```

CA-E/DB 15.0 CAABF0      SIGNIN/SIGNOUT FUNCTIONS      05/05/97  NDVRU100
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR          MODE ==> UPDATE

OPTION ==> 1

  1 - BROWSE ENTITIES SIGNED OUT      2 - SIGNOUT ENTITIES
  3 - SIGNIN ENTITIES

ENTITY:                                (IF OPTIONS 1 - 3 )
NAME      ==> DEPT*
TYPE      ==>
VERSION   ==> 1

USER       ==> EDBADMIN                (IF OPTIONS 1 - 3 )
CCID      ==>                        (IF OPTIONS 1 - 3 )

```

4.4.1.1 NDVRU100 Field Descriptions

The fields on the NDVRU100 screen are described below.

OPTION Number that specifies the subfunction desired.

Option	Used To
1	Browse entities signed out to a user or CCID
2	Signout entities to a user or CCID
3	Signin entities previously signed out

ENTITY Information to define the entity to be processed. Used by all options to display detailed Signin/out information. Specify all qualifiers to obtain information on a specific entity. If any field is left blank, a list will be produced for the options specified.

Field	Description
Name	Enter the entity name.
Type	Enter the entity type.
Version	Enter the version number.

CCID Enter the name of the CCID to be processed. If the CCID is filled in for Options **1** and **2**, it will be prefilled on the Detail screen (NDVRM110). If the CCID is filled in, only the entities Signed out to that CCID will be displayed in a List screen produced for option **3**. Leave blank to obtain a list of all entities Signed out to any CCID.

USER Enter the name of the user to be processed. If the user is filled in for options **1** and **2**, it will be prefilled on the Detail screen (NDVRM110). If the user is filled in, only the entities Signed out to that user will be displayed in a List screen produced for option **3**. Leave blank to obtain a list of all entities Signed out to any user.

4.4.2 Signin/Signout List Screen

The Signin/Signout List screen is returned for options **1**, **2**, and **3** when insufficient information is supplied from the submenu to produce a Detail screen. It displays all entities that conform to the selection criteria specified on the submenu.

CA-E/DB 15.0 CAABF0		SIGNOUT LIST				05/05/97 NDVRU110	
USER ==> EDBADMIN		DICTNAME ==> SRCNDVR				MODE ==> UPDATE	
ACTION ==> BROWSE							
	ENTITY NAME	TYP	VERS	DER	OUT	AUTH	USER CCID
-	DEPTINQ	DIA	1	N	Y	N	EDBADMIN
-	DEPTINQ-ENTER	PRC	1	N	Y	N	EDBADMIN
-	DEPTINQ-PREMAP	PRC	1	N	Y	N	EDBADMIN
-	DEPTMAP	LOA	1	N	Y	N	EDBADMIN
-	DEPTMAP	MAP	1	N	Y	N	EDBADMIN
-	DEPTMAP	MOD	1	N	Y	Y	EDBADMIN
7	DEPTUPD	DIA	1	N	Y	N	EDBADMIN
-	DEPTUPD-ENTER	PRC	1	N	Y	N	EDBADMIN
-	DEPTUPD-PREMAP	PRC	1	N	Y	N	EDBADMIN
***** END OF DATA		*****					

Use this screen to select the entities to be processed. Place an any character in the left-most column next to each desired entity, then press Enter.

4.4.2.1 NDVRU110 Field Descriptions

The fields on the NDVRU110 screen are described below.

ACTION Contains a description of the current processing function: BROWSE, SIGNIN, or SIGNOUT.

ENTITY NAME Entity name.

TYPE Entity type.

VERS Version number.

DER Current Derived CCID status:

- **Y** -- Indicates that the entity is preauthorized to the corresponding CCID (if shown), and that if a user modifies this entity while in Derived CCID mode, the change will be attributed to the CCID.
- **N** -- Indicates that the above condition is not true.

OUT Signout status of the entity:

Y -- Currently signed out.

N -- Not currently Signed out.

When browsing the Signout List screen, the signout status will always be **Y**.

AUTH Pre-authorization status of the entity:

Y -- Currently pre-authorized to user or CCID on the line.

N -- Not currently preauthorized.

USER The user to which the entity is signed out or pre-authorized.

CCID The CCID to which the entity is signed out or pre-authorized.

4.4.3 Signin/Signout Detail Screen

The Signin/Signout Detail screen is returned for options **1-3**. In all cases, it is returned directly from the Functions screen (NDVRU100) when sufficient information is specified to exactly identify the entity being processed or from the List screen (NDVRU110) when a line is selected.

```

CA-E/DB 15.0 CAABF0          SIGNOUT DETAIL          05/05/97 NDVRM110
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
***** SIGNOUT INFORMATION *****
ENTITY SIGNED OUT ==> Y          DERIVED CCID ==> N  PREAUTHORIZED ==> N
EST. WORK COMPLETION ==>          ACT. WORK COMPLETION ==>
COMMENT ==>
***** ENTITY INFORMATION *****
NAME ==> DEPTUPD          VERSION ==> 1
TYPE ==> DIALOG
COMMENT ==>
***** USER INFORMATION *****
NAME ==> EDBADMIN          LOCKED ==> N
SECURITY CLS ==> NDVR-GLOBAL
CURRENT CCID ==>

COMMENT ==>
***** CCID INFORMATION *****
NAME ==>          SECURITY CLASS ==>          LOCKED ==>
COMMENT ==>

```

The use of this screen varies depending on the option specified on the Functions screen:

Option	Screen Use
1	Browse entities signed out to a user or CCID.
2	Signout entities to a user or CCID. Fill in the entity name, type, version, user, or CCID, and comment as appropriate.
3	Signin entities previously signed out. Fill in the entity name, type, version, and user or CCID as appropriate.

For options **2-3**, press Enter to Signin/Signout the entity to the user or CCID filled in. (Press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with **=n** to abort the action.) You cannot use this screen to signin/out entities to other users or to CCIDs you are not currently working under unless authorized.

4.4.3.1 NDVRM110 Field Descriptions

The fields on the NDVRM110 screen are described below.

ACTION Describes the current processing function: BROWSE, SIGNIN, or SIGNOUT.

SIGNOUT INFORMATION Information contained in the CCDB about the signout.

Field	Description
Entity Signed out	Indicates whether the entity is currently signed out.

Field	Description
Derive CCID	Indicates whether the entity is preauthorized to the corresponding CCID (if shown), and that if a user modifies this entity while in derived CCID mode, the change will be attributed to that CCID.
Preauthorized	Indicates whether the entity is currently preauthorized.
Est. Work Completion	Informational field date entered by the user for project tracking.
Act. Work Completion	Informational field date entered by the user for project tracking.
Comment	User-defined comment.

ENTITY INFORMATION Detailed information about the entity.

Field	Description
Name	Entity name
Type	Entity type
Version	Entity version number
Comment	User-defined comment

USER INFORMATION Detailed user information contained in the CCDB.

Field	Description
Name	CA-Endevor/DB userid
Locked	Indicates whether the user is currently locked
Security Class	The current security class for the user
Current CCID	The current CCIDs under which the user is operating (if the derived CCID option is not active for the user)
Comment	User-defined comment

CCID INFORMATION Detailed CCID information contained in the CCDB.

Field	Description
Name	CCID name
Locked	Indicates whether the CCID is currently locked
Security Class	The current security class for the CCID
Comment	User-defined comment

Chapter 5. Authorization Functions

5.1 Introduction

```
CA-E/DB 15.0 CAABF0      MAIN FUNCTION MENU      05/05/97  NDVRU000
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR      MODE ==> UPDATE

OPTION ==> 2

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC
```

AUTHORIZATION FUNCTIONS (option **2** on the Main Menu) enables the user to browse Pre-Authorizations. By default, all CA-Endevor/DB users can modify all dictionary entities. There are situations, however, which warrant special consideration and control over exactly who has access to what. For this reason, Pre-Authorization is assigned by the Security Administrator when:

- Restricting certain user populations to modifying specific dictionary entities.
- Protecting critical or sensitive entities from being modified by the general user population.
- Restricting user access to a project group (CCID).
- Assigning status setting privileges to specific users.

There are three types of Pre-Authorization:

- **No Pre-Authorization** -- Users are not restricted on an entity basis when performing dictionary modifications.
- **Limited Pre-Authorization** -- Users are restricted to entities to which they are pre-authorized and may also modify entities that are not pre-authorized to any others users.
- **Full Pre-Authorization** -- Users can only modify entities that have been pre-authorized to them.

To browse the established pre-authorizations, fill in an option value of **2** on the Main Function Menu and press Enter. (If, at this point, you are unfamiliar with CA-Endevor/DB screen-handling, refer to Chapters 1 through 3 before reading further.)

When you press Enter, CA-Endevor/DB returns the Pre-Authorization Functions submenu:

```
CA-E/DB 15.0 CAABF0      PRE-AUTHORIZATION FUNCTIONS      05/05/97 NDVRU200
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR              MODE ==> UPDATE

OPTION ==>

  1 - BROWSE PRE-AUTHORIZATIONS      2 - ADD PRE-AUTHORIZATIONS
  3 - DELETE PRE-AUTHORIZATIONS      4 - MODIFY PRE-AUTHORIZATIONS

ENTITY:                                (IF OPTIONS 1 - 4 )
  NAME      ==>
  TYPE      ==>
  VERSION   ==>

USER        ==>                                (IF OPTIONS 1 - 4 )
CCID        ==>                                (IF OPTIONS 1 - 4 )
```

As the screen indicates, there are four operational options available through authorization processing: BROWSE, ADD, DELETE, and MODIFY preauthorization. As a CA-Endevor/DB user, you are allowed only to browse pre-authorized entities, users, or CCIDs. For more information about updating pre-authorizations, refer to the *CA-Endevor/DB Administrator's Guide*.

5.2 Processing Options Summary

This section describes the following options:

- Option 1: Browse Preauthorizations

Refer to the *CA-Endevor/DB Administrator's Guide* for information on options 2, 3, and 4.

5.2.1.1 Browse Preauthorizations

Use this option to browse those entities, users, or CCIDs that are currently pre-authorized.

To use this option, follow these steps:

1. Specify option **1** on the Pre-Authorization Functions submenu (NDVRU200).
2. If you want to view pre-authorization by entity, fill in the name of the entity in the ENTITY NAME field. If you want to view pre-authorization by user, fill in a userid in the USER field. If you want to view pre-authorization by CCID, fill in the CCID name in the CCID field

Press Enter.

CA-Endevor/DB returns the Pre-Authorization List screen (NDVRU210) which provides a preauthorization listing for the entity, user, or CCID you specified.

3. Review the list and select the entries for which you want more detailed information by entering any character to the left of those desired entries.

Press Enter.

4. CA-Endevor/DB returns a Pre-Authorization Detail screen (NDVRM210) for each entry you selected.

5.3 Processing Screen Descriptions

This section describes the screens used for preauthorization processing. The screens are presented by screen ID, in the order shown below:

Screen ID	Screen Name	Used by Options
NDVRU200	Preauthorization Functions	1, 2, and 3
NDVRU210	Preauthorization List	1, 2, and 3
NDVRM210	Preauthorization Detail	1, 2, and 3

Note: The ability to add, modify, or delete preauthorizations should be restricted to the CCDB Administrator. Therefore, the following screen descriptions are explained in reference to the browse option only.

5.3.1 Preauthorization Functions Screen

Use the Pre-Authorization Functions screen to review information pertaining to pre-authorized entities, users, and/or CCIDs. Enter the appropriate option number and related information, as explained at the beginning of this chapter. Press Enter when you are through.

```

CA-E/DB 15.0 CAABF0      PRE-AUTHORIZATION FUNCTIONS      05/05/97 NDVRU200
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR              MODE ==> UPDATE

OPTION ==> 1

  1 - BROWSE PRE-AUTHORIZATIONS      2 - ADD PRE-AUTHORIZATIONS
  3 - DELETE PRE-AUTHORIZATIONS      4 - MODIFY PRE-AUTHORIZATIONS

ENTITY:                                (IF OPTIONS 1 - 4 )
  NAME      ==> DEPT*
  TYPE      ==>
  VERSION   ==> 1

USER        ==>                                (IF OPTIONS 1 - 4 )
CCID        ==>                                (IF OPTIONS 1 - 4 )

```

5.3.1.1 NDVRU200 Field Descriptions

The fields on the NDVRU200 screen are described below.

OPTION Number that specifies the subfunction desired.

Option	Used To
1	Browse those entities, users, or CCIDs that have been pre-authorized.

Option	Used To
2	Add preauthorization for an entity, user, or CCID. Refer to the <i>CA-Endevor/DB Administrator's Guide</i> for more information on adding a preauthorization.
3	Delete preauthorization for an entity, user, or CCID. Refer to the <i>CA-Endevor/DB Administrator's Guide</i> for more information on deleting a preauthorization.
4	Modify Preauthorization for an entity, user, or CCID. Refer to the <i>CA-Endevor/DB Administrator's Guide</i> for more information on modifying a preauthorization.

ENTITY The entity you want to review. Leave this field blank to request all pre-authorized entities. To focus in on a specific entity, fill in the appropriate fields below:

Field	Description
Name	Enter the entity name.
Type	Enter the entity type.
Version	Enter the entity version number.

USER The CA-Endevor/DB userid you want to review. Leave this field blank to request all pre-authorized users.

CCID The CCID you want to review. Leave this field blank to request all pre-authorized CCIDs.

5.3.2 Preauthorization List Screen

The Preauthorization List screen is returned when you select option **1** on the Authorizations Functions submenu. If you do not specify a particular entity, user, or CCID, it displays a general listing of all pre-authorized entities, users, and CCIDs.

CA-E/DB 15.0 CAABF0				PRE-AUTHORIZATION LIST				05/05/97 NDVRU210			
USER ==> EDBADMIN				DICTNAME ==> SRCNDVR				MODE ==> UPDATE			
ACTION ==> BROWSE											
USER		CCID	OUT	AUTH	DER	ENTITY NAME			TYP	VERS	
-	EDB-QA		N	Y	N	DEPTINQ					DIA 1
-	EDB-QA		N	Y	N	DEPTINQ-ENTER					PRC 1
-	EDB-QA		N	Y	N	DEPTINQ-PREMAP					PRC 1
-	EDBADMIN		N	Y	N	DEPTMAP					LOA 1
-	EDBADMIN		N	Y	N	DEPTMAP					MAP 1
7	EDBADMIN		N	Y	N	DEPTMAP					MOD 1
-	EDB-QA		N	Y	N	DEPTMAP					MOD 1
-	EDB-QA		N	Y	N	DEPTUPD					DIA 1
-	EDBADMIN		N	Y	N	DEPTUPD-ENTER					PRC 1
-	EDB-QA		N	Y	N	DEPTUPD-ENTER					PRC 1
-	EDBADMIN		N	Y	N	DEPTUPD-PREMAP					PRC 1
-	EDB-QA		N	Y	N	DEPTUPD-PREMAP					PRC 1
* END *											

To view more detailed information from this list, type any character in the column to the left of all desired entries. Press Enter.

5.3.2.1 NDVRU210 Field Descriptions

The fields on the NDVRU210 screen are described below.

ACTION Description of the current processing function: BROWSE, ADD, DELETE, or MODIFY.

Field	Description
(no title)	Field used to select an entry to obtain additional information. Enter any non-blank character next to the desired entry.

USER The CA-Endevor/DB userid pre-authorized to modify the entity. If blank, the authorization pertains to the CCID named in the next field.

CCID The CCID pre-authorized to modify the entity. If blank, the authorization pertains to the user named in the previous field.

OUT The signout flag.

- **Y** -- Indicates that the entity is signed out to the user or CCID listed on this line.
- **N** -- Indicates that the entity is not signed out.

AUTH Indicates whether the entity is preauthorized.

DER The current Derived CCID status.

- **Y** -- Indicates that the entity is preauthorized to the corresponding CCID (if shown), and that if a user modifies this entity while in Derived CCID mode, the change will be attributed to that CCID.
- **N** -- Indicates that the above condition is not true.

ENTITY NAME Name of the entity.

TYP Entity type.

VERS Entity version number.

5.3.3 Preauthorization Detail Screen

The Pre-Authorization Detail screen is returned directly from the Functions screen (NDVRU200) when sufficient information is specified to exactly identify the preauthorization being processed or from the List screen (NDVRU210) when an entry is selected.

```

CA-E/DB 15.0 CAABF0      PRE-AUTHORIZATION DETAIL      05/05/97  NDVRM210
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR      MODE ==> UPDATE

ACTION ==> BROWSE
***** PRE-AUTHORIZATION INFORMATION *****
DERIVE CCID ==> N          SIGNED OUT ==> N  PRE-AUTHORIZED ==> Y
EST. WORK COMPLETION ==>  ACT. WORK COMPLETION ==>
COMMENT ==>
***** ENTITY INFORMATION *****
NAME ==> DEPTMAP          HELP          VERSION ==> 1
TYPE ==> MODULE
COMMENT ==>
***** USER INFORMATION *****
NAME ==> EDBADMIN          LOCKED ==> N
SECURITY CLS ==> NDVR-GLOBAL
CURRENT CCID ==>

COMMENT ==>
***** CCID INFORMATION *****
NAME ==>          SECURITY CLASS ==>          LOCKED ==>
COMMENT ==>

```

5.3.3.1 NDVRM210 Field Descriptions

The fields on the NDVRM210 screen are described below.

ACTION Description of the current processing function: BROWSE, ADD, DELETE, or MODIFY.

PRE-AUTHORIZATION INFORMATION Detailed information about authorization functions.

Field	Description
Derived CCID	Current Derived CCID status; Y indicates that the entity is preauthorized to the corresponding CCID.
Signed Out	Indicates whether the entity is signed out.
Pre-Authorized	Indicates whether the entity is preauthorized.

Field	Description
Est. Work Completion	Date field that can be used for project management purposes to indicate estimated work completion date.

Field	Description
Act. Work Completion	Date field that can be used for project management purposes to indicate actual work completion date.
Comment	User-defined comment associated with authorization functions.

ENTITY INFORMATION Detailed information about the entity.

Field	Description
Name	Name of entity.
Version	Version of the entity.
Type	Entity type.
Comment	User-defined comment associated with the entity.

USER INFORMATION Detailed information about the user.

Field	Description
Name	Name of the user
Security Class	Security class assigned to the user
Current CCID	The current CCID(s) under which the user is operating (if the Derived CCID option is not active for the user).
Locked	Indicates whether the user is locked.
Comment	Comment associated with the user.

CCID INFORMATION Detailed information about the CCID.

Field	Description
Name	Name of the CCID
Security Class	Security class assigned to the CCID
Locked	Indicates whether the CCID is locked.
Comment	Comment associated with the CCID.

Chapter 6. Lock Functions

6.1 Introduction

```
CA-E/DB 15.0 CAABF0      MAIN FUNCTION MENU      05/05/97  NDVRU000
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR      MODE ==> UPDATE

OPTION ==> 3

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC
```

The LOCK function (option **3** on the Main Function Menu) provides a level of security control one step beyond pre-authorization. Lock processing is designed to prevent use of a CA-Endevor/DB userid or CCID, and/or to prevent a dictionary from being updated. LOCK is a temporary condition; when it is determined that access can be allowed again, the locked entity is simply unlocked.

You can lock the following entities:

- **A CA-Endevor/DB User (userid)** - which prevents signon by that userid. All other user functions remain unaffected.
- **CCID** - which prevents signon under that CCID. All other CCID functions remain unaffected.
- **Dictionary** - which prevents any modifications from being done in the dictionary. The dictionary is still available for display and the corresponding CCDB is available for normal processing.

To request this facility, fill in an option value of **3** and press Enter from the Main Function Menu.

Before reading further, you should be familiar with the screen-handling information in Chapters 1 through 3.

When you press Enter, CA-Endevor/DB returns the Lock/Unlock Functions screen. The subfunction menu displayed for any given user may differ from that shown here, depending on whether menu items have been masked from use by security.

```
CA-E/DB 15.0 CAABF0      LOCK/UNLOCK FUNCTIONS      05/05/97 NDVRU300
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR          MODE ==> UPDATE

OPTION ==>

  1 - BROWSE LOCKED USERS      2 - LOCK USERS
  3 - UNLOCK USERS            4 - BROWSE LOCKED CCIDS
  5 - LOCK CCIDS              6 - UNLOCK CCIDS
  7 - BROWSE LOCKED DICTIONARIES 8 - LOCK DICTIONARIES
  9 - UNLOCK DICTIONARIES

USER      ==>                                (IF OPTIONS 1, 2, 3 )
CCID      ==>                                (IF OPTIONS 4, 5, 6 )
DICTIONARY ==> SRCNDVR                      (IF OPTIONS 7, 8, 9 )
```

Three types of options are available with lock processing: **BROWSE**, **LOCK**, and **UNLOCK**. The actual lock and unlock functions (options **2** and **3** - Lock/Unlock Users, **5** and **6** - Lock/Unlock CCIDS, and **8** and **9** - Lock/Unlock Dictionaries) are administrative in nature and will normally be performed by an authorized user in your organization. Should you need information about either of these options, talk to the appropriate person or refer to the *CA-Endevor/DB Administrator's Guide*.

The **BROWSE** option for users, CCIDs, and dictionaries is described below. For each option, the description includes its use and instructions to process. The detailed screens for user processing are described individually, following the option summary.

6.2 Processing Options Summary

This section describes the following options:

- Option 1: Browse Locked Users
- Option 4: Browse Locked CCIDs
- Option 7: Browse Locked Dictionaries

6.2.1.1 Browse Locked Users

Use this option to browse userids that have been previously locked. You can indicate a particular user and receive a detailed information screen.

To use this option, follow these steps:

1. Specify option 1 on the Lock/Unlock Functions screen (NDVRU300).
2. Identify the locked users you want to process by doing one of the following:
 - You can identify a specific user by entering the userid in the user field. When you press Enter, CA-Endevor/DB returns the User Lock Detail screen (NDVRM310).
 - Select from a list of locked users by leaving the user field blank. When you press Enter, CA-Endevor/DB returns the User Lock List screen (NDVRU310), which contains a list of all locked users. Select the users for which you want detailed information; when you press Enter, CA-Endevor/DB returns the User Lock Detail Screen (NDVRM310) for the first selected user. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected user, until all users have been displayed.

If you indicated a userid that was locked, CA-Endevor/DB returns the User Lock Detail screen (NDVRM310) for that user. If you selected a userid that was not locked, you will receive a message to that effect.

6.2.1.2 Browse Locked CCIDs

Use this option to browse CCIDs that have been previously locked. You can indicate a specific CCID and receive a detailed information screen.

To use this option, follow these steps:

1. Specify option 4 on the Lock/Unlock Functions screen (NDVRU300).
2. Leave the CCID field blank to obtain a list of all locked CCIDs. If you want to review a particular CCID, enter that CCID in the CCID field.
3. Press Enter.
 - If you did not enter a specific CCID, CA-Endevor/DB returns the CCID Lock List screen (NDVRU320). Review this list and select the CCIDs for which you want detailed information.

- If you indicated a CCID that was locked, CA-Endevor/DB returns the CCID Lock Detail screen (NDVRM320) for that CCID. If you selected a CCID that was not locked, you will receive a message to that effect.

6.2.1.3 Browse Locked Dictionaries

Use this option to browse dictionaries that have been previously locked.

To use this option, follow these steps:

1. Specify option 7 on the Lock/Unlock Functions screen (NDVRU300).

The name of the dictionary to which you are signed on will usually appear in the dictionary field (for the default dictionary, this will be blank).

2. Press Enter.

If you leave the field blank, CA-Endevor/DB returns the Dictionary Lock List screen (NDVRU330). Review the list and select the dictionaries for which you want more information.

For the specified or selected dictionary, CA-Endevor/DB returns the Dictionary Lock Detail screen (NDVRM330).

6.3 Processing Screen Descriptions

This section describes the screens used for lock processing. The screens are presented by screen ID, in the order shown below:

Screen ID	Screen Name	Used by Options
NDVRU300	Lock/Unlock Functions	1, 2, 3, 4, 5, 6, 7, 8, and 9
NDVRU310	User Lock List	1, 2, and 3
NDVRM310	User Lock Detail	1, 2, and 3
NDVRU320	CCID Lock List	4, 5, and 6
NDVRM320	CCID Lock Detail	4, 5, and 6
NDVRU330	Dictionary Lock List	7, 8, and 9
NDVRM330	Dictionary Lock Detail	7, 8, and 9

Note: The lock and unlock options are administrative functions. Therefore, the following screen descriptions are explained in reference to the browse option only.

6.3.1 Lock/Unlock Functions Screen

Use the Lock/Unlock Functions screen to review information pertaining to locked CA-Endevor/DB users, CCIDs, and/or dictionaries. Enter the appropriate option number and related information, as explained at the beginning of this chapter. Press Enter when you are through.

```

CA-E/DB 15.0 CAABF0      LOCK/UNLOCK FUNCTIONS      05/05/97 NDVRU300
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR        MODE ==> UPDATE

OPTION ==> 1

  1 - BROWSE LOCKED USERS      2 - LOCK USERS
  3 - UNLOCK USERS            4 - BROWSE LOCKED CCIDS
  5 - LOCK CCIDS              6 - UNLOCK CCIDS
  7 - BROWSE LOCKED DICTIONARIES 8 - LOCK DICTIONARIES
  9 - UNLOCK DICTIONARIES

USER      ==>                      (IF OPTIONS 1, 2, 3 )
CCID      ==>                      (IF OPTIONS 4, 5, 6 )
DICTIONARY ==>                    (IF OPTIONS 7, 8, 9 )

```


6.3.1.1 NDVRU300 Field Descriptions

The fields on the NDVRU300 screen are described below.

OPTION Number that specifies the subfunction desired.

Option	Used To
1	Browse locked userids.
2	Lock specific users. This function can be performed only by an authorized user; refer to the <i>CA-Endevor/DB Administrator's Guide</i> for more information.
3	Unlock specific userids. This function can be performed only by an authorized user; refer to the <i>CA-Endevor/DB Administrator's Guide</i> for more information.
4	Browse locked CCIDs.
5	Lock specific CCIDs. This function can be performed only by an authorized user; refer to the <i>CA-Endevor/DB Administrator's Guide</i> for more information.
6	Unlock specific CCIDs. This function can be performed only by an authorized user; refer to the <i>CA-Endevor/DB Administrator's Guide</i> for more information.
7	Browse locked dictionaries.
8	Lock specific dictionaries. This function can be performed only by an authorized user; refer to the <i>CA-Endevor/DB Administrator's Guide</i> for more information.
9	Unlock specific dictionaries. This function can be performed only by an authorized user; refer to the <i>CA-Endevor/DB Administrator's Guide</i> for more information.

USER The CA-Endevor/DB userid you want to review. If you want to review all locked users, leave this field blank.

CCID The CCID you want to review. If you want to review all locked CCIDs, leave this field blank.

DICTIONARY The dictionary you want to review. This field usually contains the name of the dictionary to which you are signed on. To review all locked dictionaries, blank out the field.

6.3.2 User Lock List

The User Lock List is returned when you select option **1** on the Lock/Unlock Functions screen, if you do not specify a particular userid. It displays all userids that have previously been locked.

To view more detailed information about a particular user, type any non-blank character in the column to the left of the desired entries. Press Enter.

Note: The remaining fields on the User Lock List are for display purposes only.

CA-E/DB 15.0 CAABF0	USER LOCK LIST	05/05/97 NDVRU310
USER ==> EDBADMIN	DICTNAME ==> SRCNDVR	MODE ==> UPDATE
ACTION ==> BROWSE		
	USER NAME	LOCK
-	SYSADMIN	Y
	DEPTMGR	Y
7	ENDEVOR	Y
-	GLOBAL-USER	Y
	***** END OF DATA *****	

6.3.2.1 NDVRU310 Field Descriptions

The fields on the NDVRU310 screen are described below.

ACTION Description of the current processing function: BROWSE, LOCK, or UNLOCK.

Field	Description
(no title)	Field used to select a user to obtain additional information. Enter any character next to the desired userids.

USER NAME The user name (userid).

LOCK A **Y** indicates that this userid is locked.

6.3.2.2 User Lock Detail Screen

The User Lock Detail screen appears when you select option **1** on the Lock/Unlock Functions screen and enter a userid, or when you select a user from the User Lock List. The User Lock Detail screen provides additional information pertaining to the user specified.

```

CA-E/DB 15.0 CAABF0          USER LOCK DETAIL          05/05/97 NDVRM310
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
***** USER INFORMATION *****
USER          ==> ENDEVOR          PASSWORD ==>
SECURITY CLS ==> SUPPORT
CURRENT CCID ==> EDB-SUPPORT

COMMENT          ==> ENDEVOR USER
LOCKED          ==> Y          LOCK DATE ==> 04/30/97  LOCK TIME ==> 09:55:52

```

6.3.2.3 NDVRM310 Field Descriptions

The fields on the NDVRM310 screen are described below.

ACTION Description of the current processing function: BROWSE, LOCK, or UNLOCK.

USER INFORMATION Detailed information about the user displayed on the screen.

Field	Description
User	Name of the user (userid).
Password	Password for the user; always displayed as blanks.
Security Class	Security class assigned to the user.
Current CCID	CCID currency associated with the user (if the Derived CCID option is not active for the user).
Comment	User-defined comments associated with the user.
Locked	Y indicates that the user is locked.
Lock Date/ Lock Time	Date and time the userid was locked.

USER NAME The user name.

6.3.3 CCID Lock List

The CCID Lock List is returned when you select option **4** from the Lock/Unlock Functions screen, if you do not specify a particular CCID. The screen displays all CCIDs that have previously been locked.

To view more detailed information about a particular CCID, type any non-blank character in the column next to the desired entry. Press Enter.

Note: The remaining fields on the CCID Lock List are for display purposes only.

CA-E/DB 15.0 CAABF0	CCID LOCK LIST	05/05/97 NDVRU320
USER ==> EDBADMIN	DICTNAME ==> SRCNDVR	MODE ==> UPDATE

ACTION ==> BROWSE			
	CCID	LOCK	TYP
-	EDB-DCADMIN	Y	PUB
-	EDB-DEVELOP	Y	PUB
7	EDB-QA	Y	PUB
-	EDB-SUPPORT	Y	PUB
	** END **		

6.3.3.1 NDVRU320 Field Descriptions

The fields on the NDVRU320 screen are described below.

ACTION Description of the current processing function: BROWSE, LOCK, or UNLOCK.

Field	Description
(no title)	Field used to select a CCID to obtain additional information. Enter any non-blank character next to the desired CCIDs.

CCID The CCID name.

LOCK A Y indicates that this CCID is locked.

TYP Type of CCID:

- PUBLIC -- Any person can sign on under this CCID
- PRIVATE -- Only authorized users can sign on under this CCID

6.3.4 CCID Lock Detail Screen

The CCID Lock Detail screen appears when you select option **4** on the Lock/Unlock Functions screen and enter a specific CCID, or when you select a CCID from the CCID Lock List. The CCID Lock Detail screen provides additional information pertaining to the CCID specified.

CA-E/DB 15.0 CAABF0	CCID LOCK DETAIL	05/05/97 NDVRM320
USER ==> EDBADMIN	DICTNAME ==> SRCNDVR	MODE ==> UPDATE

ACTION ==> BROWSE		
***** CCID INFORMATION *****		
NAME ==> EDB-QA	SEC. CLASS ==> QA	TYPE ==> PUBLIC
COMMENT ==> E/DB 15.0 QA		
LOCKED ==> Y	LOCK DATE ==> 05/05/97	LOCK TIME ==> 13:34:59

6.3.4.1 NDVRM320 Field Descriptions

The fields on the NDVRM320 screen are described below.

ACTION Description of the current processing function: BROWSE, LOCK, or UNLOCK.

CCID INFORMATION Detailed information about the CCID displayed on the screen.

Field	Description
Name	Name of the CCID.
Security Class	Security class assigned to the CCID.
Type	Type of CCID: <ul style="list-style-type: none"> Public -- Any person can sign on under this CCID Private -- Only authorized users can sign on under this CCID
Comment	User-defined comments associated with the CCID.
Locked	Y indicates that the CCID is locked.
Lock Date/ Lock Time	Date and time the CCID was locked.

6.3.5 Dictionary Lock List

The Dictionary Lock List is returned when you select option **7** on the Lock/Unlock Functions screen, if you do not specify a particular dictionary. It displays all dictionaries that have previously been locked.

To view more detailed information about a particular dictionary, type any character in the column to the left of the desired entry. Press Enter.

Note: The remaining fields on the Dictionary Lock List are for display purposes only.

```

CA-E/DB 15.0 CAABF0      DICTIONARY LOCK LIST      05/05/97 NDVRU330
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR        MODE ==> UPDATE

ACTION ==> BROWSE
      DICTNAME  LOCK
/      SRCNDVR   Y
      * END *

```

6.3.5.1 NDVRU330 Field Descriptions

The fields on the NDVRU330 screen are described below.

ACTION Description of the current processing function: BROWSE, LOCK, or UNLOCK.

Field	Description
(no title)	Field used to select a dictionary to obtain additional information. Enter any non-blank character next to the desired dictionary.

DICTNAME The dictionary name.

LOCK A Y indicates that this dictionary is locked.

6.3.6 Dictionary Lock Detail Screen

The Dictionary Lock Detail screen appears when you select option **7** on the Lock/Unlock Functions screen and enter a dictionary name, or when you select a dictionary from the Dictionary Lock List. The Dictionary Lock Detail screen provides additional information pertaining to the dictionary specified.

CA-E/DB 15.0 CAABF0	DICTONARY LOCK DETAIL	05/05/97 NDVRM330
USER ==> EDBADMIN	DICTNAME ==> SRCNDVR	MODE ==> UPDATE
ACTION ==> BROWSE		
***** DICTONARY INFORMATION *****		
NAME ==> SRCNDVR	SYSTEM IDENTIFIER ==> DCSYSTEM	
SEC. CLASS ==> NDVR-GLOBAL	DEFAULT USER CLASS ==> NDVR-DDA	
ORG. NAME ==>	DICTONARY TYPE ==> N	
LOCKED ==> Y	LOCK DATE ==> 05/05/97	LOCK TIME ==> 13:38:00
COMMENT ==> TEST SOURCE DICTONARY - E/DB 15.0		

6.3.6.1 NDVRM330 Field Descriptions

The fields on the NDVRM330 screen are described below.

ACTION Description of the current processing function: BROWSE, LOCK, or UNLOCK.

DICTONARY INFORMATION Detailed information about the dictionary shown.

Field	Description
Name	Name of the CCID.
System Identifier	The system in which the dictionary resides.
Security Class	Security class associated with the dictionary.

Field	Description
Default User Class	Default user class used as the security class: <ul style="list-style-type: none">▪ When no userid is known▪ In an automatically created user description
Original (ORG) Name	Future Release
Dictionary Type	Future Release
Locked	Y indicates that the dictionary is locked.
Lock Date/Lock Time	Date and time the dictionary was locked.
Comment	User-defined comments associated with the dictionary.

Chapter 7. Entity Descriptor Processing

7.1 Introduction

```
CA-E/DB 15.0 CAABF0      MAIN FUNCTION MENU      05/05/97 NDVRU000
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR      MODE ==> UPDATE

OPTION ==> 4

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC
```

Entity and Entity Change History processing (option **4** from the Main Function Menu) allows you to view and maintain Change Control Database (CCDB) entity descriptor information. It also allows you to review the history of changes made to one or more entities, or to review the status history for one or more entities.

To request this facility, fill in an option value of **4** and press Enter from the Main Function Menu.

Before reading further, you should be familiar with the screen handling information in Chapters 1 through 3.

CA-Endevor/DB returns the Entity Functions submenu. The menu displayed for any given user may differ from that shown here, depending on whether menu items have been masked from use.

The options available from the Entity Functions submenu are described below. For each option, the description includes its use and instructions to process.

The detailed screens used for entity processing are described individually, following the option summary.

```
CA-E/DB 15.0 CAABF0          ENTITY FUNCTIONS          05/05/97 NDVRU400
USER ==> EDBADMIN            DICTNAME ==> SRCNDVR        MODE ==> UPDATE

OPTION ==>

  1 - BROWSE ENTITY DESCRIPTORS          2 - ADD A NEW ENTITY DESCRIPTOR
  3 - MODIFY ENTITY DESCRIPTORS          4 - DELETE ENTITY DESCRIPTORS
  5 - BROWSE ENTITY CHANGE HISTORY        6 - BROWSE ENTITY STATUS HISTORY

ENTITY:                                     (IF OPTIONS 1, 2, 3, 4, 5, 6 )
  NAME      ==>
  TYPE      ==>
  VERSION    ==>

CHANGE-LOG SELECTION CRITERIA:              (IF OPTIONS 5, 6 )
  START DATE ==>                          END DATE ==> 05/05/97
  START TIME ==>                          END TIME ==>
  ACTION CODE ==>

DICTIONARY      ==> SRCNDVR                  (IF OPTION 5 )
```

7.2 Processing Options Summary

This section describes the following options:

- Option 1: Browse Entity Descriptors
- Option 2: Add a New Entity Descriptor
- Option 3: Modify Entity Descriptors
- Option 4: Delete Entity Descriptor
- Option 5: Browse Entity Change History
- Option 6: Browse Entity Status History

7.2.1.1 Browse Entity Descriptors

Use this option to browse Entity Descriptor information stored in the CCDB. You can select one or more entity descriptors and display detailed CCDB information for those descriptors.

To use this option, follow these steps:

1. Specify option 1 on the Entity Functions screen (NDVRU400).
2. Identify all the entity descriptors for which you want CCDB information by doing one of the following:
 - You can identify a specific descriptor by entering the entity name, type, and version. When you press Enter, CA-Endevor/DB returns the Entity Detail screen (NDVRM410).
 - Select from a list of descriptors by leaving the entity name, type, and/or version blank or supplying partial information. When you press Enter, CA-Endevor/DB returns the Entity List screen (NDVRU410), which contains a list of all entity descriptors (if blank) or all descriptors that match the partial identification given.. Select the entity descriptors for which you want detailed information; when you press Enter, CA-Endevor/DB returns the Entity Detail Screen (NDVRM410) for the first selected descriptor. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected descriptor, until all entity descriptors have displayed.

CA-Endevor/DB returns the Entity Detail screen (NDVRM410), which shows the current CCDB data for a specific descriptor.

7.2.1.2 Add a New Entity Descriptor

Use this option to add a new entity descriptor to the CCDB, in preparation to preauthorize a user to access the corresponding entity.

To use this option, follow these steps:

1. Specify option 2 on the Entity Functions screen (NDVRU400).

2. Identify the entity descriptor to be added. You can define the descriptor uniquely, by filling in the name, type, and version of the corresponding entity. Alternatively, leave any or all of these fields blank (and supply them on the Detail screen).
3. Press Enter. CA-Endevor/DB returns the Entity Detail screen (NDVRM410), filled in with as much of the descriptor identifying information as you supplied on the Entity Functions screen.
4. Enter the entity name, type, and version, as necessary. Add any comments and then press Enter to update the CCDB.

7.2.1.3 Modify Entity Descriptor

Use this option to change the comments or identification (name, type, and version) for one or more entity descriptors (with the restriction that you can only change the identification for entities that have no Change Log Entries).

To use this option, follow these steps:

1. Specify option 3 on the Entity Functions screen (NDVRU400).
2. Identify all the entity descriptors to be modified. You can identify a specific descriptor by filling in the entity name, type, and version. Alternatively, leave these fields blank or supply partial information (entity name, type, and/or version), to obtain a list of all entity descriptors (if blank), or all descriptors that match the partial identification given.
3. Press Enter.

If you did not uniquely qualify the entity descriptor, CA-Endevor/DB returns the Entity List screen (NDVRU410), which contains a list of all entities. Select the entity descriptors you want to process.

4. Press Enter. CA-Endevor/DB returns the Entity Detail screen (NDVRM410) for the first selected entity. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected entity, until all entities have displayed.

The Entity Detail screen (NDVRM410) shows the current CCDB data for a specific entity.

Note: You cannot change the descriptor identification if Change Log Entries are recorded for the related entity.

7.2.1.4 Delete Entity Descriptors

Use this option to delete one or more entity descriptors from the CCDB (applicable for entities for which there are no Change Log Entries).

To use this option, follow these steps:

1. Specify option 4 on the Entity Functions screen (NDVRU400).
2. Identify all the entity descriptors to be deleted from the CCDB. You can identify a specific descriptor, by filling in the entity name, type, and version. Alterna-

tively, leave these fields blank or supply partial information (entity name, type, and/or version), to obtain a list of all entity descriptors (if blank), or all descriptors that match the partial identification given.

3. Press Enter.

If you did not uniquely qualify the entity descriptor, CA-Endevor/DB returns the Entity List screen (NDVRU410), which contains a list of all entities. Select the entity descriptors you want to delete.

4. Press Enter. CA-Endevor/DB returns the Entity Detail screen (NDVRM410) for the first selected entity. Press Enter to delete the descriptor. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected entity, until all entities have displayed.

7.2.1.5 Browse Entity Change History

Use this option to browse the Change Log Entries for one or more entities to view the history of change for those entities. You can specify a start/end date and time for the browse, or restrict the browse to only those Change Log Entries recorded for a specific type of update. Select one or more Change Log Entries and display detailed CCDB information related to those entries.

To use this option, follow these steps:

1. Specify option 5 on the Entity Functions screen (NDVRU400).
2. Identify all the entities for which you want to review Change Log information. You can identify a specific entity, by filling in the entity name, type, and version. Alternatively, leave these fields blank or supply partial information (entity name, type, and/or version), to obtain a list of Change Log Entries for all entities (if blank), or all entities that match the partial identification given.

You can define the range of time for which you want to display Change Log Entries by entering the start date/time and the end date/time. Enter the action code to restrict the browse to only those Change Log Entries recorded for a specific type of update.

3. Press Enter.

CA-Endevor/DB returns the Entity/Change Log Entry/User/CCID List screen (NDVRU420), which shows the Change Log Entries for the requested entities, range of time, and action code.

4. You can select one or more Change Log Entries for which you want more detailed CCDB information. CA-Endevor/DB returns the Entity/Change Log Entry/User/CCID Detail screen (NDVRM420) for each selected Change Log Entry. This screen shows the Change Log Entry detail, as well as current CCDB data for the entity (entity descriptor), user, and CCID that correspond to the Change Log Entry. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected Change Log Entry, until all selected entries have displayed.

7.2.1.6 Browse Entity Status History

Use this option to browse the status history for one or more entities. You can specify a start/end history date and time for the browse. Select one or more status changes for which you want to view detailed CCDB information.

To use this option, follow these steps:

1. Specify option 6 on the Entity Functions screen (NDVRU400).
2. Identify the entities for which you want to review status change information. You can identify a specific entity, by filling in the entity name, type, and version. Alternatively, leave these fields blank or supply partial information (entity name, type, and/or version), to display the status history for all entities that have ever had a status assigned (if blank) or all entities that match the partial identification given.

You can define the range of time for which you want to display status changes by entering the start date/time and the end date/time.

3. Press Enter.

CA-Endevor/DB returns the Entity/Status History List screen (NDVRU430), which shows the status history for the requested entities and range of time.

4. You can select one or more status changes for which you want more detailed CCDB information. CA-Endevor/DB returns the Entity/Status History Detail screen (NDVRM430) for each selected status change. This screen shows the current CCDB data for the entity (entity descriptor) whose status was changed, and the definition of the status setting assigned at the time of the change. If the status was assigned within the context of a CCID, the CCID is referenced here.

Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected status change, until all selected entries have displayed.

7.3 Processing Screen Descriptions

This section describes the screens used for entity processing. The screens are presented by screen ID, in the order shown below:

Screen ID	Screen Name	Used by Options
NDVRU400	Entity Functions	1, 2, 3, 4, 5, and 6
NDVRU410	Entity List	1, 3, and 4
NDVRM410	Entity Detail	1, 2, 3, and 4
NDVRU420	Entity/Change Log Entry/User/ CCID List	5
NDVRM420	Entity/Change Log Entry/ User/ CCID Detail	5
NDVRU430	Entity/Status History List	6
NDVRM430	Entity/Status History Detail	6

7.3.1 Entity Functions Screen

Use the Entity Functions screen to view and maintain entity descriptor information in the CCDB, to browse the history of changes made to one or more entities, or to browse the status history for one or more entities. Fill in the screen with the option desired, as described at the beginning of this chapter. Press ENTER when you are through.

```

CA-E/DB 15.0 CAABF0          ENTITY FUNCTIONS          05/05/97 NDVRU400
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

OPTION ==> 1

  1 - BROWSE ENTITY DESCRIPTORS          2 - ADD A NEW ENTITY DESCRIPTOR
  3 - MODIFY ENTITY DESCRIPTORS          4 - DELETE ENTITY DESCRIPTORS
  5 - BROWSE ENTITY CHANGE HISTORY        6 - BROWSE ENTITY STATUS HISTORY

ENTITY:                                (IF OPTIONS 1, 2, 3, 4, 5, 6 )
NAME      ==>
TYPE      ==>
VERSION   ==>

CHANGE-LOG SELECTION CRITERIA:          (IF OPTIONS 5, 6 )
START DATE ==>          END DATE ==> 05/05/97
START TIME ==>          END TIME ==>
ACTION CODE ==>

DICTIONARY ==> SRCNDVR          (IF OPTION 5 )

```


7.3.1.1 NDVRU400 Field Descriptions

The fields on the NDVRU400 screen are described below.

OPTION Number that specifies the subfunction desired.

Option	Used To
1	Browse the information stored in the CCDB for one or more entity descriptors.
2	Add an entity descriptor to the CCDB in preparation to preauthorizing a user to access the corresponding entity.
3	Change the comments and/or identification for one or more entity descriptors defined in the CCDB (with the restriction that you can only change the descriptor identification for entities for which there are no Change Log Entries).
4	Delete one or more entity descriptors from the CCDB (applicable for entities for which there are no Change Log Entries).
Option	Used To
5	Browse the Change Log Entries for one ore more entities, optionally specifying a start/end date and time for the browse, or restricting the browse to only those Change Log Entries recorded for a specific type of update.
6	Browse the status history for one or more entities, optionally specifying a start/end date and time for the browse.

ENTITY Information to define the entity (or entity descriptor) being processed.
Used by the add option (2) to prefill the Detail screen returned.

Field	Description
Name	Name of the entity. Leave blank to request information for all entities having descriptors in the CCDB (for the type and/or version specified, if either qualifier is provided).
Type	Type of IDD or CA-Endevor/DB entity. Leave blank to request all types recorded in the CCDB (for the entity name and/or version specified, if either qualifier is provided). See Chapter 3 for a list of CA-Endevor/DB entity types.
Version	1-4 digit version number for the entity. Leave blank to request all versions recorded in the CCDB (for the Entity Name and/or Type specified, if either qualifier is provided).

CHANGE-LOG SELECTION CRITERIA Optional qualifiers, used for options **5** and **6**, to define the starting and/or ending date and time for which you want to browse CCDB information, or by option **5** to restrict the display to only those changes recorded for a specific type of update.

Field	Description
Start Date	Starting date from which you want to browse CCDB information (mm/dd/yy). Specify a date, or leave blank to browse from the earliest information recorded in the CCDB through the End Date/Time.
Start Time	Time, within Start Date, from which you want to browse CCDB information (hh:mm:ss on a 24-hour clock). Defaults to "00:00:00". If specified, Start Date must also be filled in.
End Date	Ending date through which you want to browse CCDB information (mm/dd/yy). Displays originally as today's date. Specify another date, or blank out the date to browse through the most recent information recorded in the CCDB.
End Time	Time, within End Date, through which you want to browse CCDB information (hh:mm:ss on a 24-hour clock). Defaults to "23:59:59". If specified, End Date must also be filled in.
Action Code	<p>Code that identifies the type of update activity you want to see:</p> <p>A -- Add entity</p> <p>M -- Modify entity</p> <p>D -- Delete entity</p> <p>I -- Signin entity</p> <p>O -- Signout entity</p> <p>S -- Set entity status</p> <p>R -- Revise entity status</p> <p>T -- Terminate (remove) entity status</p> <p>C -- Migrate entity out</p> <p>V -- Migrate entity in</p> <p>P -- Archive CCDB execution (only for dictionary descriptor)</p> <p>Used by option 5. Leave blank to display Change Log Entries for all types of update activity</p>

DICTIONARY Display only. Name of the Integrated Data Dictionary (IDD) that corresponds to the CCDB being processed.

7.3.2 Entity List Screen

The Entity List screen is returned for options **1**, **3**, and **4** from the Entity Functions submenu, when you do not fully qualify the entity descriptor being processed. It displays all entity descriptors that match the partial identification provided on that submenu.

```

CA-E/DB 15.0 CAABF0          ENTITY LIST          05/05/97  NDVRU410
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR      MODE ==> UPDATE

ACTION ==> BROWSE

      ENTITY NAME          TYP      VERS
-   DEPT-EMPLOYEE          EMPSCHM   SET    100
-   DEPT-EMPLOYEE          EMPSCHM   SET    200
-   DEPT-EMPLOYEE          EMPSCHM   SET    300
-   DEPT-HEAD-ID           ELE      100
-   DEPT-ID                ELE      100
-   DEPT-NAME              ELE      100
7   DEPTINQ                DIA        1
-   DEPTINQ-ENTER          PRC        1
-   DEPTINQ-PREMAP         PRC        1
-   DEPTMAP                LOA        1
-   DEPTMAP                MAP        1
-   DEPTMAP                HELP      MOD        1
-   DEPTUPD                DIA        1
-   DEPTUPD-ENTER          PRC        1
-   DEPTUPD-PREMAP         PRC        1
*****      END OF DATA      *****

```

Use this screen to select the entity descriptors to be processed. Enter any non-blank character in the left-most column next to each desired descriptor, then press Enter.

7.3.2.1 NDVRU410 Field Descriptions

The fields on the NDVRU410 screen are described below.

ACTION Description of the current processing function: BROWSE, MODIFY, or DELETE.

Field	Description
(no title)	Field used to select an entity descriptor for further detailed processing. Enter any non-blank character in this column next to each descriptor you want to process.

ENTITY NAME Display only. Name of the entity represented by the descriptor.

Field	Description
Typ	Display only. Type of IDD or CCDB entity.
Vers	Display only. Version number for the entity.

7.3.3 Entity Detail Screen

The Entity Detail screen is returned for options **1-4**.

For options **1, 3, and 4**, it is returned directly from the Entity Functions submenu, if you filled in the fully qualified entity (entity descriptor) identification on that submenu. It is also returned from the Entity List screen (NDVRU410), once you select a descriptor for detailed processing. In this case, it displays detailed CCDB information for the requested descriptor.

For option **2** (add), the Entity Detail screen is returned directly from the Entity Functions submenu, and is prefilled with as much of the entity identification as was supplied on that submenu.

```

CA-E/DB 15.0 CAABF0          ENTITY DETAIL          05/05/97 NDVRM410
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
***** ENTITY INFORMATION *****
NAME      ==> DEPTINQ          VERSION ==> 1
TYPE      ==> DIALOG
COMMENT   ==>

```

The use of this screen varies by option:

Option	Screen Use
1	Browse (display) only.
2	Enter the entity name, type, and version, as necessary, to uniquely identify the new entity descriptor. Add any comments.
3	Modify comments, or change the descriptor identification (entity name, type, and/or version).
4.	Display and then delete an entity descriptor.

For options **2-3**, press Enter to add/modify the entity descriptor data in the CCDB. For option **4**, press Enter to delete the entity descriptor. (Press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with **=n** to abort the delete request.)

7.3.3.1 NDVRM410 Field Descriptions

The fields on the NDVRM410 screen are described below.

ACTION Description of the current processing function: BROWSE, ADD, MODIFY, or DELETE.

ENTITY INFORMATION Detailed information about the displayed entity descriptor.

Field	Description
Name	Name of the entity represented by the descriptor.
Type	Type of the IDD or CCDB entity.
Version	1-4 digit version number for the entity.
Comment	User-defined comments associated with the entity descriptor.

7.3.4 Entity/Change-Log Entry/User/CCID List Screen

The Entity/Change-Log Entry/User/CCID List screen is returned for option **5** from the Entity Functions submenu, and displays all entities requested from that submenu. For each entity, it lists the Change Log Entries recorded in the CCDB for the entity, for the range of dates/times, and for the action code (if any) indicated on the Entity Functions submenu.

Use this screen to review the history of change to the requested entities and, optionally, to request the Entity/Change-Log Entry/User/CCID Detail screen (NDVRM420) for a particular Change Log Entry. To request the Detail screen, enter any non-blank character in the left-most column next to each entry for which detail is desired, then press Enter.

```

CA-E/DB 15.0 CAABF0 ENTITY/CHANGE-LOG ENTRY/USER/CCID LIST 05/05/97 NDVRU420
USER ==> EDBADMIN DICTNAME ==> SRCNDVR MODE ==> UPDATE

ACTION ==> BROWSE
      ENTITY NAME      TYP VERS LOG-ENTRY  USER      CCID
- DEPT-HEAD-ID        ELE 100 M 04/28/97 SYSADMIN EDB-SYSADMIN
- DEPT-ID              ELE 100 M 04/28/97 SYSADMIN EDB-SYSADMIN
- DEPT-NAME            ELE 100 M 04/28/97 SYSADMIN EDB-SYSADMIN
- DEPTINQ              DIA 1 A 04/30/97 DEPTMGR
- DEPTINQ-ENTER        PRC 1 A 04/30/97 DEPTMGR
- DEPTINQ-PREMAP        PRC 1 A 04/30/97 DEPTMGR
- DEPTMAP              LOA 1 A 04/30/97 DEPTMGR EDB-DEVELOP
7 DEPTMAP              MAP 1 M 04/30/97 DEPTMGR EDB-DEVELOP
- DEPTMAP              MAP 1 A 04/30/97 DEPTMGR EDB-DEVELOP
- DEPTMAP              HEL MOD 1 A 04/30/97 DEPTMGR EDB-DEVELOP
- DEPTUPD              DIA 1 O 05/05/97 EDBADMIN
- DEPTUPD              DIA 1 A 04/30/97 DEPTMGR
- DEPTUPD-ENTER        PRC 1 A 04/30/97 DEPTMGR
- DEPTUPD-PREMAP        PRC 1 M 04/30/97 EDBADMIN EDB-QA
- DEPTUPD-PREMAP        PRC 1 M 04/30/97 EDBADMIN EDB-QA
- DEPTUPD-PREMAP        PRC 1 A 04/30/97 DEPTMGR
*****      END OF DATA      *****

```

7.3.4.1 NDVRU420 Field Descriptions

The fields on the NDVRU420 screen are described below.

ACTION Always BROWSE, reflecting the choice of option 5 from the Entity Functions screen.

Field	Description
(no title)	Field used to select a Change Log Entry for further detailed display. Enter any non-blank character in this column next to each Change Log Entry you want to process.

ENTITY NAME Display only. Name of the entity for which change log information is displayed.

Field	Description
Typ	Type of IDD or CCDB entity.
Vers	Version number for the entity.

LOG ENTRY Display only. One character describing the type of activity that resulted in the Change Log Entry, followed by the date (mm/dd/yy) that the Change Log Entry was recorded. The one character codes are described below:

- A -- Add entity
- M -- Modify entity
- D -- Delete entity

- I -- Signin entity
- O -- Signout entity
- S -- Set entity status
- R -- Revise entity status
- T -- Terminate (remove) entity status
- C -- Migrate entity out
- V -- Migrate entity in
- P -- Archive CCDB execution (only for dictionary descriptor)

USER Display only. Name that identifies the CA-Endevor/DB user responsible for the Change Log Entry.

CCID Display only. CCID under which the Change Log Entry was made. Blank if there is no CCID associated with the entry.

7.3.5 Entity/Change-Log Entry/User/CCID Detail Screen

This screen is returned for option **5** from the Entity/Change-Log Entry/User/CCID List screen (NDVRU420), once you select a specific Change Log Entry for detailed display. It shows detailed information for the selected Change Log Entry, and current CCDB information for: the descriptor for the changed entity, the user responsible for the change, and the CCID under which the change was made (if any).

Note: The entity descriptor, user, and CCID information is current, and may not be the same as the information stored (for the descriptor, user, or CCID) at the time the Change Log Entry was recorded.

```

CA-E/DB 15.0 CAABF0 ENTITY/CHANGE-LOG ENTRY/USER/CCID DETAIL 05/05/97 NDVRM420
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
***** ENTITY INFORMATION *****
NAME      ==> DEPTMAP          VERSION ==> 1
TYPE      ==> MAP
COMMENT   ==>
***** CHANGE-LOG ENTRY INFORMATION *****
DATE      ==> 04/30/97          TIME ==> 08:01:21          ACTION ==> M
COMMENT   ==>
PROGRAM   ==> OLMPDBRT
***** USER INFORMATION *****
NAME      ==> DEPTMGR          LOCKED ==> N
SECURITY CLS ==> NDVR-GLOBAL
CURRENT CCID ==>

COMMENT   ==> DEPARTMENT MANAGER
***** CCID INFORMATION *****
NAME      ==> EDB-DEVELOP      SECURITY CLASS ==> DEVELOPMENT          LOCKED ==> N
COMMENT   ==> E/DB 15.0 DEVELOPMENT

```

7.3.5.1 NDVRM420 Field Descriptions

The fields on the NDVRM420 screen are described below.

ACTION Always BROWSE, reflecting the choice of option 5 from the Entity Functions screen.

ENTITY INFORMATION Display only. Detailed descriptor information corresponding to the entity that was changed. This reflects the CCDB data for the entity descriptor as it currently exists.

Field	Description
Name	Name of the entity represented by the descriptor.
Version	Version number for the entity.
Type	Type of entity.
Comment	User-defined comments associated with the entity descriptor.

CHANGE LOG ENTRY INFORMATION Display only. Detailed information stored in the Change Log Entry.

Field	Description
Date	Date the Change Log Entry was written (mm/dd/yy).
Time	Time the Change Log Entry was written (hh:mm:ss).
Action Code	Action that resulted in the Change Log Entry: A -- Add entity M -- Modify entity D -- Delete entity I -- Signin entity O -- Signout entity S -- Set entity status R -- Revise entity status T -- Terminate (remove) entity status C -- Migrate entity out V -- Migrate entity in P -- Archive CCDB execution (only for dictionary descriptor)

The following descriptive fields vary by action code. Displayed information is listed below each action code:

For action codes of A, M, or D (Add, Modify, or Delete entity):

- Program -- Name of the program that caused the update. This is usually the compiler program name or CA-Endevor/DB.

For action codes of A, M, or D (Add, Modify, or Delete entity) - after compression:

If several Change Log Entries have been combined due to CCDB compression or archive (after utility NDVRARCO is run) the date and time of the Change Log Entry will reflect the latest update to the entity. The descriptive portion of the Change Log Entry will contain the following fields in lieu of the updating program:

- Archived/Compressed Entities-- Number of Change Log Entries that have been combined.
- Start Date -- Date of the first Change Log Entry included in the combined group.
- Time -- Time of the first Change Log Entry included in the combined group.

For action code of I (Signin):

- Signed In For -- The user or CCID to which the entity was Signed out when the Signin occurred.

For action code of O (Signout):

- Signed Out To -- The user or CCID to which the entity was Signed out.

For action codes of S, R, or T (Status Set, Reset, or Terminate):

- Status -- Status that was set, reset, or terminated.
- CCID -- CCID context with which the status was set, reset, or terminated. Base status is displayed with this field set to blank.

For action code of C (Migrate out):

- System -- System name of the target or destination system.
- DBName -- Dictionary name of the target dictionary.
- Date -- Date the entity was received on the target dictionary.
- Time -- Time the entity was received on the target dictionary.

For action code of V (Migrate in):

- System -- System name of the source or sending system.
- DBName -- Dictionary name of the source dictionary.
- Date -- Date the entity was selected for migration on the source dictionary.
- Time -- Time the entity was selected for migration on the source dictionary.
- Comment -- User-defined comments associated with the Change Log Entry.

USER INFORMATION Display only. Detailed information about the user responsible for the change. This reflects the CCDB data for the user as it exists currently.

Field	Description
Name	Name of the user.
Locked	The lock flag. If Y , the user is locked and you cannot sign on as that user.
Security Cls	Security class for the user.
Current	CCIDs associated with the user in the CCDB.
Comment	User-defined comments associated with the user.

CCID INFORMATION Display only. Detailed information about the CCID under which the change was recorded (if any). This reflects the CCDB data for the CCID as it exists currently.

Field	Description
Name	Name of the CCID.
Security Class	Security class for the CCID.
Locked	The lock flag. If Y , the CCID is locked and you cannot sign on under that CCID.
Comment	User-defined comments associated with the CCID.

7.3.6 Entity/Status History List Screen

The Entity/Status History List screen is returned for option **6** from the Entity Functions submenu, and displays all entities requested from that submenu. For each entity, it lists the Change Log Entries recorded in the CCDB for status changes made to the entity, the status assigned at the time of the change, and, if applicable, the CCID within whose context the status was assigned. The Change Log Entries listed are restricted to those for the range of dates/times indicated on the Entity Functions submenu, if any.

Use this screen to view the information displayed and, optionally to request the Entity/Status History Detail screen (NDVRM430) for a particular status change. To request the Detail screen, enter any non-blank character in the left-most column next to each status change for which detail is desired, then press ENTER.

CA-E/DB 15.0 CAABF0		ENTITY/STATUS HISTORY LIST		05/05/97	NDVRU430
USER ==> EDBADMIN		DICTNAME ==> SRCNDVR		MODE ==> UPDATE	
ACTION ==> BROWSE					
	ENTITY NAME	TYP	VERS	LOG-ENTRY	STATUS
—	COVERAGE	REC	100	S 04/19/97	MIGRATE-TES
—	CUSTOMER	REC	1	S 04/19/97	MIGRATE-TES
—	DEPARTMENT	REC	100	S 04/19/97	NEVER-MIGRA
—	EMPLOYEE	REC	100	S 04/19/97	DEVELOPMENT
—	EMPMAP-WORK-RECORD	REC	1	S 05/02/97	DEVELOPMENT
—	EMPMAP1	MAP	1	S 05/02/97	DEVELOPMENT
—	IDD40-REC	REC	1	S 04/19/97	NEVER-MIGRA
—	DEPTMGR	EUS	1	S 04/23/97	NEVER-MIGRA
—	SIGNON	TAS	1	R 04/23/97	NEVER-MIGRA
—	SIGNON	TAS	1	R 04/23/97	MANUAL-ENTI
—	TEST-RECORD-1	REC	1	S 04/19/97	TESTING
—	TEST-RECORD-2	REC	1	S 04/19/97	TESTING
—	** END **				

7.3.6.1 NDVRU430 Field Descriptions

The fields on the NDVRU430 screen are described below.

ACTION Always BROWSE, reflecting the choice of option 6 from the Entity Functions screen.

Field	Description
(no title)	Field used to select status changes for further detailed display. Enter any non-blank character in the column next to each status change you want to process.

ENTITY NAME Display only. Name of the entity for which status change information is displayed.

Field	Description
Typ	Type of IDD or CCDB entity.
Vers	Version number for the entity.

LOG ENTRY Display only. One character describing the type of activity that resulted in the Change Log Entry (that is, the type of status change made), followed by the date (mm/dd/yy) that the Change Log Entry was recorded. The one character codes are described below:

- S -- Set entity status
- R -- Revise entity status
- T -- Terminate (remove) entity status

STATUS Display only. Value to which the status was changed, as recorded in the CCDB.

CCID Display only. CCID in whose context the status change was made. Blank if the change was not made within the context of a particular CCID.

7.3.7 Entity/Status History Detail Screen

This screen is returned for option **6** from the Entity/Status History List screen (NDVRU430), once you select a specific status change for further detailed display. It shows current CCDB information for the descriptor for the entity whose status was changed, and for the status assigned to the entity at the time of the change. If the change was made within the context of a particular CCID, that CCID is referenced here.

Note: The entity descriptor information and status name are current, and may not be the same as the information stored (for the entity and status) at the time the status change was recorded.

```

CA-E/DB 15.0 CAABF0      ENTITY/STATUS HISTORY DETAIL      05/05/97 NDVRM430
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR              MODE ==> UPDATE

ACTION ==> BROWSE
*****
NAME      ==> DEPARTMENT      VERSION ==> 100
TYPE      ==> RECORD          LOCKED  ==> N
COMMENT   ==>
*****
***** STATUS HISTORY INFORMATION *****
ACTION    ==> S      STATUS ==> NEVER-MIGRATE      CCID ==>
DATE      ==> 04/19/97      TIME ==> 08:25:56
COMMENT   ==>

```

7.3.7.1 NDVRM430 Field Descriptions

The fields on the NDVRM430 screen are described below.

ACTION Always BROWSE, reflecting the choice of option 6 from the Entity Functions screen.

ENTITY INFORMATION Display only. Detailed descriptor information corresponding to the entity whose status was changed. This reflects the CCDB data for the entity descriptor as it currently exists.

Field	Description
Name	Name of the entity represented by the descriptor.
Version	Version number for the entity.
Type	Type of entity.
Comment	User-defined comments associated with the entity descriptor.

STATUS INFORMATION Display only. Detailed information about the status change.

Field	Description
Action	Type of status change: S -- Set entity status R -- Revise entity status T -- Terminate (remove) entity status
Status	Value assigned to the status.
CCID	CCID in whose context the status change was made. Blank if the change was not made within the context of a particular CCID.
Date	Date the status change was made (mm/dd/yy).
Time	Time the status change was made (hh:mm:ss).
Comment	User-defined comments associated in the Change Log Entry with the status change.

Chapter 8. CCID Processing

8.1 Introduction

```
CA-E/DB 15.0 CAABF0      MAIN FUNCTION MENU      05/05/97  NDVRU000
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR      MODE ==> UPDATE

OPTION ==> 5

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC
```

CCID and CCID Change History processing (option **5** from the Main Function Menu) allows you to:

- View and maintain CCID information in the CCDB.
- View changes made within the context of one or more CCIDs.
- Review/revise the associations between CCIDs and Change Log Entries, which document the changes made under a particular CCID.
- For a particular CCID, review the current status of every entity modified under that CCID.

To request this facility, fill in an option value of **5** and press Enter from the Main Function Menu.

CA-Endevor/DB returns the CCID Functions screen. The menu displayed for any given user may differ from that shown here, depending on whether menu items have been masked from use.

The options available from the CCID Functions screen are described below. For each option, the description includes its use and instructions to process.


```
CA-E/DB 15.0 CAABF0          CCID FUNCTIONS          05/05/97 NDVRU500
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

OPTION ==>

  1 - BROWSE CCID DESCRIPTORS          2 - ADD A CCID DESCRIPTOR
  3 - MODIFY CCID DESCRIPTORS          4 - DELETE CCID DESCRIPTORS
  5 - BROWSE CCID/CHANGE ASSOCIATIONS  6 - ADD A CCID/CHANGE ASSOCIATION
  7 - MODIFY CCID/CHANGE ASSOCIATIONS  8 - DELETE CCID/CHANGE ASSOCIATION
  9 - BROWSE ENTITY STATUS FOR CCID

CCID          ==>                      (IF OPTIONS 1 - 9 )

ENTITY:                      (IF OPTIONS 5 - 9 )
NAME          ==>
TYPE          ==>
VERSION       ==>

CHANGE-LOG SELECTION CRITERIA:      (IF OPTIONS 5 - 8 )
START DATE   ==>                    END DATE ==> 05/05/97
START TIME   ==>                    END TIME ==>
ACTION CODE  ==>
```

The detailed screens used for CCID processing are described individually, following the option summary.

Before reading further, you should be familiar with the screen-handling information in Chapters 1 through 3.

8.2 Processing Options Summary

This section describes the following options:

- Option 1: Browse CCID Descriptors
- Option 2: Add a CCID Descriptor
- Option 3: Modify CCID Descriptors
- Option 4: Delete CCID Descriptors
- Option 5: Browse CCID/Change Associations
- Option 6: Add a CCID/Change Association
- Option 7: Modify CCID/Change Associations
- Option 8: Delete CCID/Change Associations
- Option 9: Browse Entity Status for CCID

8.2.1.1 Browse CCID Descriptors

Use this option to browse information stored in the CCDB for one or more CCIDs. You can select one or more CCIDs and display detailed CCDB information for those CCIDs.

To use this option, follow these steps:

1. Specify option 1 on the CCID Functions screen (NDVRU500).
2. Identify the CCID(s) for which you want CCDB information. When you press Enter, CA-Endevor/DB returns the CCID Detail screen (NDVRM510), which shows the current CCDB data for a specific CCID.

8.2.1.2 Add a CCID Descriptor

Use this option to add a new CCID to the CCDB.

To use this option, follow these steps:

1. Specify option 2 on the CCID Functions screen (NDVRU500).
2. Identify the CCID to be added. When you press Enter, CA-Endevor/DB returns the CCID Detail screen (NDVRM510), filled in with the CCID name (if entered on the CCID Functions screen).
3. Enter or overwrite the CCID name as necessary. Add the security class and/or any comments, then press Enter to update the CCDB.

8.2.1.3 Modify CCID Descriptors

Use this option to change the security class, comments, and/or name for one or more CCIDs defined in the CCDB (with the restriction that you can change only the name for CCIDs for which there are no Change Log Entry associations).

To use this option, follow these steps:

1. Specify option 3 on the CCID Functions screen (NDVRU500).
2. Identify the CCID to be modified. You can leave the CCID name blank to obtain a list of all CCIDs defined to the CCDB.
3. Press Enter.

If you did not enter the CCID name, CA-Endevor/DB returns the CCID List screen (NDVRU510), which contains a list of all CCIDs. Select the CCID you want to modify.

4. Press Enter. CA-Endevor/DB returns the CCID Detail screen (NDVRM510) for the first selected CCID.
5. Update the CCID name, security class, and/or comment. Press Enter. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected CCID, until all selected CCIDs have been processed.

Note: You cannot change the CCID name if there are any associated Change Log Entries.

8.2.1.4 Delete Entity Descriptors

Use this option to delete one or more CCIDs from the CCDB (applicable for users who are authorized to delete CCIDs and for CCIDs for which there are no Change Log Entry associations).

To use this option, follow these steps:

1. Specify option 4 on the CCID Functions screen (NDVRU500).
2. Identify the CCID you want to delete from the CCDB. You can leave the CCID name blank to obtain a list of all CCIDs defined to the CCDB.
3. Press Enter.

If you did not enter the CCID name, CA-Endevor/DB returns the CCID List screen (NDVRU510), which contains a list of all CCIDs. Select the CCID you want to delete and press Enter. (To abort the request, press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n.)

4. CA-Endevor/DB returns the CCID Detail screen (NDVRM510) for the first selected CCID. Press Enter to delete the CCID from the CCDB.

If you selected more than one CCID, each time you press Enter, CA-Endevor/DB returns detailed information for the next selected CCID, until all CCIDs have been processed.

8.2.1.5 Browse CCID/ Change Associations

Use this option to browse the Change Log Entries for one or more CCIDs to view the history of change for those CCIDs. You can specify a start/end date and time for the browse, or restrict the browse to only those Change Log Entries recorded for a specific type of update. Select one or more Change Log Entries and display detailed CCDB information related to those entries. This option lets you review changes made within the context of a particular CCID.

To use this option, follow these steps:

1. Specify option 5 on the CCID Functions screen (NDVRU500).
2. Identify the CCID for which you want to review Change Log Entries. If you want to list Change Log Entries for all CCIDs defined to the CCDB, leave the CCID name blank.

You can identify a specific entity by entering the entity name, type, and version. Alternatively, leave these fields blank or supply partial information (entity name, type, and/or version), to obtain a list of Change Log Entries for all entities (if blank), or all entities that match the partial identification given.

You can define the range of time for which you want to display Change Log Entries by entering the start date/time and the end date/time. Enter the action code to restrict the browse to only those Change Log Entries recorded for a specific type of update.

3. Press Enter.

CA-Endevor/DB returns the CCID/Change Log Entry/Entity/User List screen (NDVRM520), which shows the Change Log Entries for the requested CCID(s), range of time, and action code.

4. You can select one or more Change Log Entries for which you want more detailed CCDB information. If you do, CA-Endevor/DB returns the Entity/Change Log Entry/Entity/User Detail screen (NDVRM520) for the first selected Change Log Entry. This screen shows the Change Log Entry detail, as well as current CCDB data for the CCID, entity descriptor, and user that correspond to the Change Log Entry. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected Change Log Entry, until all selected entries have displayed.

8.2.1.6 Add a CCID/Change Association

Use this option to associate a CCID with an existing Change Log Entry. This does not change the data stored for either the CCID or the Change Log Entry, but rather creates a junction between the two in the CCDB.

You might use this function, for example, if an entity was changed by a user who was not signed on to CA-Endevor/DB, to relate the change to the appropriate CCID.

To use this option, follow these steps:

1. Specify option 6 on the CCID Functions screen (NDVRU500).

2. Identify the CCID you want to associate with an existing Change Log Entry, and the entity for which the Change Log Entry was recorded. You can provide full CCID and entity identification, or you can leave any or all of the identifier fields blank (and supply them in the Detail screen).

You can further identify the specific Change Log Entry by providing the start date, start time, and action code.

3. Press Enter.

CA-Endevor/DB returns the CCID/Change Log Entry/Entity/User Detail screen (NDVRU520), which contains the information for the CCID, entity (entity descriptor), and any change log selection criteria supplied on the CCID Functions screen.

4. To identify the CCID and Change Log Entry being associated, enter the CCID name; Change Log date, time, and action code; and entity name, type, and version.
5. Press Enter to join the CCID and Change Log Entry.

Note that the User Information at the bottom of the screen is for display only and is only filled in if the Change Log Entry is uniquely defined.

8.2.1.7 Modify CCID/Change Associations

Use this option to modify the comments describing the association between one or more pairs of CCIDs and Change Log Entries, or to change the CCID with which one or more Change Log Entries are associated.

This function is useful when a change was logged under the wrong CCID, to correct the CCID associated with the change.

To use this option, follow these steps:

1. Specify option 7 on the CCID Functions screen (NDVRU500).
2. Identify the CCID and entity that define the CCID/Change Log association you want to modify. Leave the CCID name blank to list associations for all CCIDs defined to the CCDB (for the entity/entities, range of time, and/or action code specified). Leave any or all of the entity identification fields blank to list the associations for all entities that match the partial identification.

You can further identify the specific Change Log Entry by providing the start date, start time, and action code; or you can enter the start date/time and end date/time range to define a group of Change Log Entries.

3. Press Enter.

CA-Endevor/DB returns the CCID/Change Log Entry/Entity/User List screen (NDVRU520), which contains all CCID/Change Log associations that meet the specified criteria.

4. Select all the Change Log Entries you want to modify.

5. Press Enter. CA-Endevor/DB returns the CCID/Change Log Entry/Entity/User Detail screen (NDVRM520), which shows the Change Log Entry detail for the first selected entry.

Modify the comment information for the Change Log Entry (to describe the association with the CCID) or change the CCID name to associate the Change Log Entry with a different CCID).

6. Press Enter. If you selected more than one Change Log Entry, CA-Endevor/DB returns the Detail screen for the next selected Change Log Entry each time you press Enter until each entry has been processed.

8.2.1.8 Delete CCID/Change Associations

Use this option to delete the association between one or more pairs of CCIDs and Change Log Entries. This does not change the data stored for the associated CCID and Change Log Entry, but rather deletes the junction between the two.

You might use this function if a user was logged on under too many CCIDs at the time a change was made, to remove the associations between the Change Log Entry and the extra (incorrect) CCIDs.

To use this option, follow these steps:

1. Specify option 8 on the CCID Functions screen (NDVRU500).
2. Identify the CCID and entity that define the CCID/Change Log association you want to delete. Leave the CCID name blank to list associations for all CCIDs defined to the CCDB (for the entity/entities, range of time, and/or action code specified). Leave any or all of the entity identification fields blank to list the associations for all entities that match the partial identification.

You can further identify the specific Change Log Entry by providing the start date, start time, and action code; or you can enter the start date/time and end date/time range to define a group of Change Log Entries.

3. Press Enter.

CA-Endevor/DB returns the CCID/Change Log Entry/Entity/User List screen (NDVRU520), which contains all CCID/Change Log associations that meet the specified criteria.

4. Select all the Change Log Entries for which you want to delete an association.
5. Press Enter. CA-Endevor/DB returns the CCID/Change Log Entry/Entity/User Detail screen (NDVRM520), which shows the Change Log Entry detail for the first selected entry.
6. Press Enter to delete the association between the Change Log Entry and the CCID.

If you selected more than one Change Log Entry, CA-Endevor/DB returns the Detail screen for the next selected Change Log Entry each time you press Enter until each entry has been processed.

8.2.1.9 Browse Entity Status for CCID

Use this option to browse the current status for a specific CCID, for one or more entities modified under that CCID. You can select one or more lines from the browse list and display detailed CCDB information related to those entities.

This option is useful if, for example, the work done under a particular CCID reaches a target deadline and the project manager wants to verify/monitor all entities that have been modified under the CCID.

To use this option, follow these steps:

1. Specify option 9 on the CCID Functions screen (NDVRU500).
2. Identify the CCID for which you want to see the current status of every entity ever modified under the CCID.
3. Press Enter. CA-Endevor/DB returns the Entity/Status for CCID List screen (NDVRU530), which shows the requested CCID, every entity ever changed under that CCID, and the current status for each entity.

For each displayed entity, there may be a second line showing the status assigned to the entity as a whole (that is, outside the context of any CCID). This *base status* is provided for easy reference and can be identified by a blank CCID.

You can select the entity/status combination(s) for which you want more detailed CCDB information.

4. Press Enter. If you requested further detail, CA-Endevor/DB returns the Entity/Status for CCID Detail screen (NDVRM530) for the first selected entity/status combination. This screen shows the current CCDB data for the CCID in whose context the entity was changed; it also shows the current CCDB data for the entity whose current status setting is displayed, any comments defined at the time the status was set, and the status definition.

If you selected more than one entity/status combination, CA-Endevor/DB displays the details for the next selected combination each time you press Enter, until all selections have displayed.

8.3 Processing Screen Descriptions

This section describes the screens used for CCID processing. The screens are presented by screen ID, in the order shown below:

Screen ID	Screen Name	Used by Options
NDVRU500	CCID Functions	1, 2, 3, 4, 5, 6, 7, 8, and 9
NDVRU510	CCID List	1, 3, and 4
NDVRM510	CCID Detail	1, 2, 3, and 4
NDVRU520	CCID/Change Log Entry/Entity/ User List	5, 7, and 8
NDVRM520	CCID/Change Log Entry/Entity/ User Detail	5, 6, 7, and 8
NDVRU530	Entity/Status for CCID List	9
NDVRM530	Entity/Status for CCID Detail	9

8.3.1 CCID Functions Screen

Use the CCID Functions screen to view and maintain information and Change Log relationships stored in the CCDB for a Change Control ID (CCID). Fill in the screen for the option desired, as described at the beginning of this chapter. Press Enter when you are through.

```

CA-E/DB 15.0 CAABF0          CCID FUNCTIONS          05/05/97 NDVRU500
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR        MODE ==> UPDATE

OPTION ==>

  1 - BROWSE CCID DESCRIPTORS          2 - ADD A CCID DESCRIPTOR
  3 - MODIFY CCID DESCRIPTORS          4 - DELETE CCID DESCRIPTORS
  5 - BROWSE CCID/CHANGE ASSOCIATIONS  6 - ADD A CCID/CHANGE ASSOCIATION
  7 - MODIFY CCID/CHANGE ASSOCIATIONS  8 - DELETE CCID/CHANGE ASSOCIATION
  9 - BROWSE ENTITY STATUS FOR CCID

CCID          ==>                      (IF OPTIONS 1 - 9 )

ENTITY:                      (IF OPTIONS 5 - 9 )
NAME          ==>
TYPE          ==>
VERSION       ==>

CHANGE-LOG SELECTION CRITERIA:          (IF OPTIONS 5 - 8 )
START DATE   ==>                      END DATE   ==> 05/05/97
START TIME   ==>                      END TIME   ==>
ACTION CODE   ==>

```


8.3.1.1 NDVRU500 Field Descriptions

The fields on the NDVRU500 screen are described below.

OPTION Number that specifies the subfunction desired.

Option	Used To
1	Browse the information stored in the CCDB for one or more CCIDs.
2	Add a new CCID to the CCDB.
3	Change the comments, security class, and/or name for one or more CCIDs defined in the CCDB (with the restriction that you can only change the name of CCIDs for which there are no Change Log Entry associations)
4	Delete one or more CCIDs from the CCDB (applicable for CCIDs for which there are no Change Log Entry associations).
5	Browse the Change Log Entries for one or more CCIDs, optionally specifying a start/end date and time for the browse, or restricting the browse to only those Change Log Entries recorded for a specific type of update.
6	Associate a CCID with an existing Change Log Entry by creating a junction between the two in the CCDB.
7	Modify the comments describing the association between one or more pairs of CCIDs and Change Log Entries, or change the CCID with which one or more Change Log Entries are associated.
8	Delete the association between one or more pairs of CCIDs and Change Log Entries, by eliminating the junction between them.
9	For a specific CCID, browse the current status for one or more entities modified under that CCID. As desired, select one or more entities from the browse list and display detailed CCDB information related to those entities (and their current status settings).

CCID Name of the CCID being processed. Required for option **9**. If specified, this must be the full CCID name. Leave blank to request all CCIDs in the CCDB. Used by option **2** (ADD A CCID DESCRIPTOR) and option **6** (ADD A CCID/CHANGE ASSOCIATION) to prefill the Detail screen returned.

ENTITY Information to define the entity being processed, used for options **5-9**. Used by option **6** (ADD A CCID/CHANGE ASSOCIATION) to prefill the Detail screen returned.

Field	Description
Name	Name of the entity. Leave blank to request all entities in the CCDB (for the type and/or version specified, if either qualifier is provided).

Field	Description
Type	Type of IDD or CCDB entity. Leave blank to request all types recorded in the CCDB (for the entity name and/or version specified, if either qualifier is provided). See Chapter 3 for a list of CCDB entity types.
Version	1-4 digit version number for the entity. Leave blank to request all versions recorded in the CCDB (for the entity name and/or type specified, if either qualifier is provided).

CHANGE-LOG SELECTION CRITERIA Optional qualifiers used for options **5-8**.

Used by options **5**, **7**, and **8** to define the starting and/or ending date and time for which you want to display CCDB information, or to restrict the display to only those changes recorded for a specific type of update. Used for option **6** (ADD A CCID/CHANGE ASSOCIATION) to prefill the Detail screen returned. (Only Start Date, Start Time, and Action Code are used for option **6**.)

Field	Description
Start Date	Starting date from which you want to display CCDB information (mm/dd/yy). Specify a date, or leave blank to browse from the earliest information recorded in the CCDB through the End Date/Time.
Start Time	Time, within Start Date, from which you want to display CCDB information (hh:mm:ss on a 24-hour clock). Defaults to "00:00:00". If specified, Start Date must also be filled in.
End Date	Ending date through which you want to browse CCDB information (mm/dd/yy). Displays originally as today's date. Specify another date, or blank out the date to browse through the most recent information recorded in the CCDB.
End Time	Time, within End Date, through which you want to display CCDB information (hh:mm:ss on a 24-hour clock). Defaults to "23:59:59". If specified, End Date must also be filled in.

Field	Description
Action Code	<p>Code that identifies the type of update activity you want to see. Leave blank to display data for all types of update activity.</p> <p>A -- Add entity</p> <p>M -- Modify entity</p> <p>D -- Delete entity</p> <p>I -- Signin entity</p> <p>O -- Signout entity</p> <p>S -- Set entity status</p> <p>R -- Revise entity status</p> <p>T -- Terminate (remove) entity status</p> <p>C -- Migrate entity out</p> <p>V -- Migrate entity in</p> <p>P -- Archive CCDB execution (only for dictionary descriptor)</p>

8.3.2 CCID List Screen

The CCID List screen is returned for options **1**, **3**, and **4** from the CCID Functions screen, when you do not specify the CCID name being processed. It displays all CCIDs defined to the CCDB.

Use this screen to select the CCID(s) to be processed. Place any character in the left-most column next to each desired CCID, then press Enter.

```

CA-E/DB 15.0 CAABF0          CCID LIST          05/05/97 NDVRU510
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR    MODE ==> UPDATE

ACTION ==> BROWSE
      CCID      LOCK  TYP
-      EDB-DCADMIN  N   PUB
-      EDB-DEVELOP  N   PUB
7      EDB-QA        N   PUB
-      EDB-SUPPORT  N   PUB
-      EDB-SYSADMIN N   PUB
-      GLOBAL-CCID  N   PUB
      ** END **

```

8.3.2.1 NDVRU510 Field Descriptions

The fields on the NDVRU510 screen are described below.

ACTION Description of the current processing function: BROWSE, MODIFY, or DELETE.

Field	Description
(no title)	Field used to select a CCID for further detailed processing. Enter any non-blank character in this column next to each descriptor you want to process.

CCID Display only. Name of the CCID.

Field	Description
Lock	The lock flag. If Y , the CCID is locked and you cannot sign on under that CCID.
Typ	The CCID type. If PUB (public), anyone can sign on under that CCID. If PRI (private), you must be preauthorized to sign on under that CCID.

8.3.3 CCID Detail Screen

The CCID Detail screen is returned for options **1-4**. For options **1, 3, and 4**, it is returned directly from the CCID Functions screen, if you filled in the CCID on that screen; or from the CCID List screen (NDVRU510), once you select a CCID for detailed processing. In this case, it displays detailed CCDB information for the CCID. For option **2** (add), the CCID Detail screen is returned directly from the CCID Functions screen, and is prefilled with the CCID name, if that name was supplied on the screen.

```
CA-E/DB 15.0 CAABF0          CCID DETAIL          05/05/97 NDVRM510
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
***** CCID INFORMATION *****
NAME ==> EDB-QA          SEC. CLASS ==> QA          TYPE ==> PRIVATE
COMMENT ==> E/DB 15.0 QA
LOCKED ==> N          LOCK DATE ==>          LOCK TIME ==>
```

The use of this screen varies by option:

Option	Screen Use
1	Browse (display) only
2	Fill in the CCID name, as necessary to identify the new CCID uniquely. Add any comments desired, and/or the security class.
3	Modify comments and/or the security class, or change the CCID name.
4	Display and then delete a CCID.

For options **2-3**, press Enter to add/modify the CCID information. For option **4**, press Enter to delete the CCID. (Press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n to abort the delete request.)

8.3.3.1 NDVRM510 Field Descriptions

The fields on the NDVRM510 screen are described below.

ACTION Description of the current processing function: BROWSE, ADD, MODIFY, or DELETE.

CCID INFORMATION Detailed information about the displayed CCID.

Field	Description
Name	Name of the CCID.
Security Class	Display only. Security class for the CCID.
Type	The CCID type. If PUBLIC , anyone can signon under that CCID. If PRIVATE , you must be pre-authorized to signon under that CCID.
Comment	User-defined comments associated with the CCID.
Locked	The lock flag. If Y , the CCID is locked, and you cannot signon under that CCID. If N , the CCID is not locked, and it is available to you.
Lock Date	Date CCID was locked.
Lock Time	Time CCID was locked.

8.3.4 CCID/Change-Log Entry/Entity/User List Screen

The CCID/Change-Log Entry/Entity/User List screen is returned for options **5**, **7**, and **8** from the CCID Functions screen, and displays all Change Log Entries for the CCIDs, entities, time range, and action code requested.

Use this screen to view the information displayed and, optionally, to request the CCID/Change-Log Entry/Entity/User Detail screen (NDVRM520) for a particular Change Log Entry. To request the Detail screen, place any character in the left-most column next to each entry for which detail is desired, then press Enter.

CA-E/DB 15.0 CAABF0 CCID/CHANGE-LOG ENTRY/ENTITY/USER LIST				05/05/97	NDVRU520
USER ==> EDBADMIN				DICTNAME ==> SRCNDVR	MODE ==> UPDATE
ACTION ==> BROWSE					
	CCID	LOG-ENTRY	ENTITY NAME	TYP	VERS USER
-	EDB-DEVELOP	A 04/30/97	DEPTMAP	LOA	1 DEPTMGR
-	EDB-DEVELOP	A 04/30/97	DEPTMAP	HEL MOD	1 DEPTMGR
-	EDB-DEVELOP	M 04/30/97	DEPTMAP	MAP	1 DEPTMGR
-	EDB-QA	M 05/05/97	DEPTMGR	EUS	1 DEPTMGR
7	EDB-QA	M 04/30/97	DEPTUPD-PREMAP	PRC	1 DEPTMGR
-	EDB-QA	A 04/30/97	DEPTUPD-ENTER	PRC	1 DEPTMGR
-	EDB-SYSADMIN	I 04/28/97	TESTLOAD	LOA	1 EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	STRUCTURE	REC	100 EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	SKILL	REC	100 EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	JOB	REC	100 EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	INSURANCE-PLAN	REC	100 EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	HOSPITAL-CLAIM	REC	100 EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	HELPUNIT	LOA	2 EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	EXPERTISE	REC	100 EDB-SYST
-	EDB-SYSADMIN	I 04/28/97	EMPSS01 EMPSCHEM	SUB	100 EDB-SYST

8.3.4.1 NDVRU520 Field Descriptions

The fields on the NDVRU520 screen are described below.

ACTION Description of the current processing function: BROWSE, MODIFY, or DELETE.

Field	Description
(no title)	Field used to select a Change Log Entries for further detailed display. Enter any non-blank character in this column next to each Change Log Entry you want to process.

CCID Display only. CCID under which the Change Log Entry was made. Blank if there is no CCID associated with the entry.

LOG ENTRY Display only. One character describing the type of activity that resulted in the Change Log Entry, followed by the date (mm/dd/yy) that the Change Log Entry was recorded. The one character codes are described below:

- A -- Add entity
- M -- Modify entity
- D -- Delete entity
- I -- Signin entity
- O -- Signout entity
- S -- Set entity status
- R -- Revise entity status
- T -- Terminate (remove) entity status

- C -- Migrate entity out
- V -- Migrate entity in
- P -- Archive CCDB execution (only for dictionary descriptor)

ENTITY NAME Display only. Name of the entity for which the Change Log Entry was recorded.

Field	Description
Typ	Type of IDD or CCDB entity.
Vers	Version number for the entity.

USER Display only. The CA-Endevor/DB user responsible for the Change Log Entry.

8.3.5 CCID/Change-Log Entry/Entity/User Detail Screen

This screen is returned for options **5-8**.

For options **5**, **7**, and **8**, it is returned from the CCID/Change-Log Entry/Entity/User List screen (NDVRU520), once you select a Change Log Entry for detailed processing. In this case, it displays detailed information for the requested Change Log Entry, and current CCDB information for: the CCID under which the change was recorded (if any), the descriptor for the changed entity, and the user responsible for the change.

Note: The CCID, entity descriptor, and user information is current, and may not be the same as the information stored (for the CCID, descriptor, or user) at the time the Change Log Entry was recorded.

For option **6** (ADD A CCID/CHANGE ASSOCIATION), this screen is returned directly from the CCID Functions screen, and is prefilled with as much information as possible based on the CCID, entity identification, and Change Log selection criteria supplied on that screen.

```

CA-E/DB 15.0 CAABF0  CCID/CHANGE-LOG ENTRY/ENTITY/USER DETAIL 05/05/97  NDVRM520
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
***** CCID INFORMATION *****
NAME ==> EDB-QA          SECURITY CLASS ==> QA          LOCKED ==> N
COMMENT ==> E/DB 15.0 QA
***** CHANGE-LOG ENTRY INFORMATION *****
DATE ==> 04/30/97          TIME ==> 08:03:09          ACTION ==> M
COMMENT ==>
PROGRAM ==> IDMSDDL
***** ENTITY INFORMATION *****
NAME ==> DEPTUPD-PREMAP          VERSION ==> 1
TYPE ==> PROCESS
COMMENT ==>
***** USER INFORMATION *****
NAME ==> DEPTMGR          LOCKED ==> N
SECURITY CLS ==> NDVR-GLOBAL
CURRENT CCID ==>

COMMENT ==>

```

The use of this screen varies by option:

Option	Screen Use
5	Browse (display) only.
6	Display the CCID and Change Log Entry requested -- or fill in the CCID Name; Change Log Date, Time, and Action; and Entity Name, Type, and Version; to identify the CCID and Change Log Entry -- and associate the two in the CCDB.

Option	Screen Use
7	Modify comments describing the CCID/Change Log association, or change the CCID with which the Change Log Entry is associated.
8	Display the CCID and Change Log Entry requested, then delete the association between the two.

For option **7**, press Enter to update the CCDB. For options **6** and **8**, press Enter to add/delete the CCID/change log association. To abort the delete-association request, press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with **=n**.

8.3.5.1 NDVRM520 Field Descriptions

The fields on the NDVRM520 screen are described below.

ACTION Description of the current processing function: BROWSE, ADD, MODIFY, or DELETE.

CCID INFORMATION Detailed information about the CCID under which the change was (or will be) recorded.

Field	Description
Name	Name of the CCID.
Security Class	Display only. Security class for the CCID.
Locked	The lock flag. If Y , the CCID is locked and you cannot sign on under that CCID.
Comment	User-defined comments associated with the CCID.

CHANGE LOG INFORMATION Detailed information stored in the Change Log Entry.

Field	Description
Date	Date the Change Log Entry was written (mm/dd/yy).
Time	Time the Change Log Entry was written (hh:mm:ss).
Action	Action that resulted in the Change Log Entry: A -- Add entity M -- Modify entity D -- Delete entity I -- Signin entity O -- Signout entity S -- Set entity status R -- Revise entity status T -- Terminate (remove) entity status C -- Migrate entity out V -- Migrate entity in P -- Archive CCDB execution (only for dictionary descriptor)

The following descriptive fields vary by action code. Displayed information is listed below each action code:

For action codes of A, M, or D (Add, Modify, or Delete entity):

- Program -- Name of the program that caused the update. This is usually the compiler program name or CA-Endevor/DB.

For action codes of A, M, or D (Add, Modify, or Delete entity) - after compression:

If several Change Log Entries have been combined due to CCDB compression or archive (after utility NDVRARCO is run) the date and time of the Change Log Entry will reflect the latest update to the entity. The descriptive portion of the Change Log Entry will contain the following fields in lieu of the updating program:

- Archived/Compressed Entities-- Number of Change Log Entries that have been combined.
- Start Date -- Date of the first Change Log Entry included in the combined group.
- Time -- Time of the first Change Log Entry included in the combined group.

For action code of I (Signin):

- Signed In For -- The user or CCID to which the entity was Signed out when the Signin occurred.

For action code of O (Signout):

- Signed Out To -- The user or CCID to which the entity was Signed out.

For action codes of S, R, or T (Status Set, Reset, or Terminate):

- Status -- Status that was set, reset, or terminated.
- CCID -- CCID context with which the status was set, reset, or terminated. Base status is displayed with this field set to blank.

For action code of C (Migrate out):

- System -- System name of the target or destination system.
- DBName -- Dictionary name of the target dictionary.
- Date -- Date the entity was received on the target dictionary.
- Time -- Time the entity was received on the target dictionary.

For action code of V (Migrate in):

- System -- System name of the source or sending system.
- DBName -- Dictionary name of the source dictionary.
- Date -- Date the entity was selected for migration on the source dictionary.
- Time -- Time the entity was selected for migration on the source dictionary.
- Comment -- User-defined comments associated with the Change Log Entry.

ENTITY INFORMATION Detailed descriptor information corresponding to the entity that was changed.

Field	Description
Name	Name of the entity represented by the descriptor.
Version	Version number for the entity.
Type	Type of entity.
Comment	Display only. Comments associated with the entity descriptor.

USER INFORMATION Detailed information about the user responsible for the change. This reflects the CCDB data for the user as it exists currently.

Field	Description
Name	Display only. Name of the user.
Locked	The lock flag. If Y , the user is locked and you cannot sign on as that user.
Security Cls	Display only. Security class for the user.
Current CCID	Display only. CCID(s) associated with the user in the CCDB.
Comment	Display only. Comments associated with the user.

8.3.6 Entity/Status For CCID List Screen

The Entity/Status For CCID List screen is returned for option **9** from the CCID Functions screen. For the CCID requested from that screen, this screen displays every entity ever modified under that CCID, and the current status setting for that entity. For each entity displayed, there may be a second line showing the status assigned to the entity as a whole (that is, outside of the context of any CCID). This status, known as the "base status" for the entity, can be identified by a blank CCID.

Use this screen to view the information displayed and, optionally, to request the Entity/Status For CCID Detail screen (NDVRM530) for a particular entity/status combination(s). To request the Detail screen, place any character in the left-most column next to each entity/status combination for which detail is desired, then press Enter.

CA-E/DB 15.0 CAABF0		ENTITY/STATUS FOR CCID LIST		06/02/97	NDVRU530
USER ==> EDBADMIN		DICTNAME ==> SRCNDVR		MODE ==>	UPDATE
ACTION ==> BROWSE					
CCID	ENTITY NAME		TYP	VERS	STATUS
- EDB-DEVELOP	DEPTMAP		LOA	1	DEVELOPMENT
- EDB-DEVELOP	DEPTMAP		MAP	1	DEVELOPMENT
- EDB-DEVELOP	DEPTMAP	HELP	MOD	1	DEVELOPMENT
- EDB-DEVELOP	DEPTUPD		DIA	1	DEVELOPMENT
7 EDB-DEVELOP	DEPTUPD-ENTER		PRC	1	DEVELOPMENT
- EDB-DEVELOP	DEPTUPD-PREMAP		PRC	1	DEVELOPMENT
- EDB-DEVELOP	DEPTMGR		EUS	1	NEVER-MIGRATE
** END **					

8.3.6.1 NDVRU530 Field Descriptions

The fields on the NDVRU530 screen are described below.

ACTION Always BROWSE, reflecting the choice of option 9 from the CCID Functions screen.

Field	Description
(no title)	Field used to select entity/status combination for further detailed display. Enter any non-blank character in the column next to each entity/status combination you want to process.

CCID Display only. Name of the CCID under which the entity was modified. Blank if the line displays the base status for the entity.

ENTITY NAME Display only. Name of the entity (modified within the context of the CCID requested) for which the current status is shown.

Field	Description
Typ	Type of IDD or CCDB entity.
Vers	Version number for the entity.

STATUS Display only. Current status setting for the entity.

8.3.7 Entity/Status for CCID Detail Screen

This screen is returned for option **9** from the Entity/Status For CCID List screen (NDVRU530), once you select a specific entity/status combination for further detailed display. It shows the current CCDB data for the CCID in whose context the entity was changed (as specified on the subfunction menu). This CCID data is blank if the selected line represents a base status.

The screen also shows the current CCDB data for the entity (entity descriptor) whose current status setting is displayed, any comments defined at the time that status was set, and the status definition itself.

Note: The information displayed is current, and may not be the same as the information stored in the CCDB at the time the status was set.

```

CA-E/DB 15.0 CAABF0      ENTITY/STATUS FOR CCID DETAIL      06/02/97 NDVRM530
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR              MODE ==> UPDATE

ACTION ==> BROWSE

***** CCID INFORMATION *****
NAME   ==> EDB-DEVELOP SECURITY CLASS ==> DEVELOPMENT      LOCKED ==> N
COMMENT ==> E/DB 15.0 DEVELOPMENT

***** ENTITY INFORMATION *****
NAME   ==> DEPTUPD-ENTER VERSION ==> 1
TYPE   ==> PROCESS      LOCKED ==> N
COMMENT ==>

***** ASSOCIATION INFORMATION *****
COMMENT ==>

***** STATUS INFORMATION *****
NAME   ==> DEVELOPMENT TYPE ==> PUBLIC
COMMENT ==>

```

8.3.7.1 NDVRM530 Field Descriptions

The fields on the NDVRM530 screen are described below.

ACTION Always BROWSE, reflecting the choice of option 9 from the CCID Functions screen.

CCID INFORMATION Display only. Detailed information about the CCID under which the entity was modified; blank if the screen shows the base status information for an entity. This reflects the CCID data as it currently exists in the CCDB.

Field	Description
Name	Name of the CCID.
Security Class	Security class for the CCID.
Locked	The lock flag. If Y, the CCID is locked and you cannot sign on under that CCID.
Comment	User-defined comments associated with the CCID.

ENTITY INFORMATION Display only. Detailed descriptor information corresponding to the entity changed within the context of the CCID shown. This reflects the CCDB data for the entity descriptor as it exists currently.

Field	Description
Name	Name of the entity represented by the descriptor.
Version	Version number for the entity
Type	Type of entity

Field	Description
Comment	User-defined comments associated in the CCDB with the entity descriptor.

ASSOCIATION INFORMATION Display only. User-defined comments associated with the current status setting.

STATUS INFORMATION Display only. Detailed information stored in the CCDB for the status currently set for the entity. This reflects the CCDB data for the status definition as it exists currently.

Field	Description
Name	Name of (that is, the value assigned to) the status
Type	Indication of whether the status definition is public or private: <ul style="list-style-type: none">■ PUBLIC -- Any user can assign this status, assuming the user is preauthorized to establish status settings■ PRIVATE -- A user must be preauthorized to use this status definition in order to assign this status
Comment	User-defined comments associated with the status definition

Chapter 9. Status Processing

9.1 Introduction

```
CA-E/DB 15.0 CAABF0      MAIN FUNCTION MENU      06/02/97  NDVRU000
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR      MODE ==> UPDATE

OPTION ==> 6

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC
```

Status and Status Associations processing (option **6** from the Main Function Menu) allows you to view and maintain status definitions in the CCDB, and to browse and maintain the status settings for one or more entities. The status for an entity can be defined either within the context of a particular CCID, or stand-alone (outside of the context of a CCID). A stand-alone status is known as the "base status" for the entity.

To request this facility, fill in an option value of **6** and press ENTER from the Main Function Menu.

CA-Endevor/DB returns the Status Functions screen. Remember that the screen displayed for any given user may differ from that shown here, depending on whether menu items have been masked from use.

The options available from the Status Functions screen are described below the screen. For each option, the description includes its use and instructions to process.


```
CA-E/DB 15.0 CAABF0          STATUS FUNCTIONS          06/02/97 NDVRU600
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

OPTION ==>

  1 - BROWSE STATUS DESCRIPTORS          2 - ADD A STATUS DESCRIPTOR
  3 - MODIFY STATUS DESCRIPTORS          4 - DELETE STATUS DESCRIPTORS
  5 - BROWSE STATUS/ENTITY ASSOCIATIONS  6 - ADD A STATUS/ENTITY ASSOCIATION
  7 - MODIFY STATUS/ENTITY ASSOCIATIONS  8 - DELETE STATUS/ENTITY ASSOCIATIONS

STATUS      ==>                                (IF OPTIONS 1 - 8 )

ENTITY:                                           (IF OPTIONS 5 - 8 )
  NAME      ==>
  TYPE      ==>
  VERSION   ==>

THE FOLLOWING VALUE IS USED WHEN STATUS IS SET WITHIN THE CONTEXT OF A CCID
CCID        ==> EDB-QA                                (IF OPTIONS 5 - 8 )
```

The detailed screens used for status processing are described individually, following the option summary.

Before reading further, you should be familiar with the screen-handling information in Chapters 1 through 3.

9.2 Processing Options Summary

This section describes the following options:

- Option 1: Browse Status Descriptors
- Option 2: Add a Status Descriptor
- Option 3: Modify Status Descriptors
- Option 4: Delete Status Descriptors
- Option 5: Browse Status/Entity Associations
- Option 6: Add a Status/Entity Association
- Option 7: Modify Status/Entity Associations
- Option 8: Delete Status/Entity Associations

9.2.1.1 Browse Status Descriptors

Use this option to browse information stored in the CCDB for one or more status definitions. You can select one or more status definitions and display detailed CCDB information for those definitions.

To use this option, follow these steps:

1. Specify option 1 on the Status Functions screen (NDVRU600).
2. Identify the status definition for which you want CCDB information. Leave the status name blank to obtain a list of all status definitions in the CCDB. When you press Enter, CA-Endevor/DB returns the Status List screen (NDVRU610). View the list and select the status definitions for which you want more detailed information.
3. CA-Endevor/DB returns the Status Detail screen (NDVRM610), showing the current CCDB data for the first status definition selected. If you made multiple selections above (Step 2), press Enter to see the detail for the next status definition selected, and so on until all status definitions have been viewed.

9.2.1.2 Add a Status Descriptor

Use this option to add a new status definition to the CCDB.

To use this option, follow these steps:

1. Specify option 2 on the Status Functions screen (NDVRU600).

You can identify the status definition to be added by filling in the status name on the screen or you can leave the name blank (and supply the name on the Detail screen, in Step 2).

Press ENTER.

2. CA-Endevor/DB returns the Status Detail screen (NDVRM610), filled in with the status name (if entered on the Status Functions screen).

Enter (or overwrite) the status name, as necessary. The status name must be unique in the CCDB. Add the type code and any comments desired, then press ENTER to update the CCDB.

9.2.1.3 Modify Status Descriptors

Use this option to change the comments, type code, or name for one or more status definitions in the CCDB.

To use this option, follow these steps:

1. Specify option 3 on the Status Functions screen (NDVRU600).
2. Identify the status definition to be modified. Leave the status name blank to obtain a list of all status definitions defined to the CCDB.
3. Press ENTER.

If you did not fill in the status name, CA-Endevor/DB returns the Status List screen (NDVRU610), which contains a list of all status definitions. Select the status definitions you want to modify.

4. CA-Endevor/DB returns the Status Detail screen (NDVRM610), which contains the current CCDB data for the first selected status definition.
5. Update the name, type code, and/or comment information, and then press ENTER.

If you made multiple selections above (Step 2), each time you press Enter, CA-Endevor/DB returns the Status Detail screen for the next status definition selected until all selections have been processed.

9.2.1.4 Delete Status Descriptors

Use this option to delete one or more status definitions from the CCDB.

To use this option, follow these steps:

1. Specify option 4 on the Status Functions screen (NDVRU600).
2. Identify the status definition you want to delete. You can leave the status name blank to obtain a list of all status definitions in the CCDB.
3. Press ENTER.

If you did not enter the status name, CA-Endevor/DB returns the Status List screen (NDVRU610), which contains a list of all status definitions. Select the status definitions you want to delete and press Enter.

4. CA-Endevor/DB returns the Status Detail screen (NDVRM610) for the first selected status definition. Press Enter to delete the status definition from the CCDB. (To abort the request, press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n.)

If you selected more than one status definition, each time you press Enter, CA-Endevor/DB returns detailed information for the next selected status definition, until all selections have been processed.

9.2.1.5 Browse Status/Entity Associations

Use this option to browse the entities that have been assigned a particular status (either as a base status or within the context of a CCID). Optionally, restrict the browse to only those status assignments for a particular entity or CCID.

You can select one or more lines (status assignments) from the browse list, and display further CCDB detail for those assignments.

To use this option, follow these steps:

1. Specify option 5 on the Status Functions screen (NDVRU600).
2. Identify the status for which you want to browse the entities assigned that status. If you want to list all entities assigned a status, leave the status name blank.

You can identify a specific entity by entering the entity name, type, and version. Alternatively, leave these fields blank or supply partial information (entity name, type, and/or version), to display the status settings for all entities (if blank) or for all entities that match the partial identification given. In either case, the display is limited to the status name and CCID specified (below), if these qualifiers are filled in.

Identify the CCID within whose context you want to browse the status settings. Leave the CCID blank to browse the base status and status settings made within the context of all CCIDs in the CCDB (for the status and entities specified, if these qualifiers are filled in). If you specify a CCID, the browse is limited to the settings established within the context of the CCID named (and the base status).

3. Press Enter.

CA-Endevor/DB returns the Status/Entity List screen (NDVRU620), which shows each status requested from the screen. For each status, the screen shows the entities assigned that status.

You can select one or more status assignments for which you want to see further CCDB detail. If you do, CA-Endevor/DB returns the Status/Entity Detail screen (NDVRM620) for the first selected status assignment. This screen shows the status detail, as well as current CCBD data for the entity assigned the status, the CCID within whose context the status assignment was made (as applicable), and any comments documenting the status assignment.

Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected status assignment, until all selected entries have displayed.

9.2.1.6 Add a Status/Entity Association

Use this option to assign a particular status to an existing entity, either as a base status or within the context of a CCID. This does not change the data stored for either the status definition or the entity descriptor (or the CCID, if applicable), but rather creates a junction between these items in the CCDB.

Each entity can have at most one base status assigned to it. Each entity can also have one status assigned to it within the context of any given CCID.

To use this option, follow these steps:

1. Specify option 6 on the Status Functions screen (NDVRU600).
2. Identify the status you want to associate with the entity or leave the status name blank (and supply them in the Detail screen).

If the status is being defined within the context of a CCID, you can identify that CCID at the bottom of the screen or leave this field blank and, if appropriate, supply it on the Detail screen in Step 2.

3. Press Enter.

CA-Endevor/DB returns the Status/Entity Detail screen (NDVRM620), which contains information for the status, entity (entity descriptor), and CCID specified on the Status Functions screen.

If necessary, enter the status name and the entity name, type, and version, to identify the status and entity being associated. If the status is being assigned within the context of a CCID, make sure the CCID is identified correctly. Also specify any comments you want associated with the setting of the status.

4. Press Enter to join the status definition, the entity descriptor, and (as appropriate) the CCID.

9.2.1.7 Modify Status/Entity Associations

Use this option to modify the status name assigned to one or more entities, or the comments describing one or more entity status assignments (either the base assignment or a status assignment made within the context of a particular CCID).

Note: You cannot use this option to convert a base status to a status within the context of a CCID, nor the reverse. To convert in this way, you would use option 8 to delete the old status setting and option 6 to add the new setting.

To use this option, follow these steps:

1. Specify option 7 on the Status Functions screen (NDVRU600).
2. Identify the status whose entity association information you want to modify. Leave the status name blank to display all status settings (for the entities and CCID specified, if these qualifiers are filled in). Leave any or all of the entity identification fields blank to list associations for all entities that match the partial identification.

Identify the CCID within whose context the status setting being modified was established. Leave the CCID blank to display the base status as well as the status setting made within the context of all CCIDs in the CCDB (for the status and entities specified, if these qualifiers are filled in).

3. Press Enter.

CA-Endevor/DB returns the Status/Entity List screen (NDVRU620), which contains all status assignments for the status, entities, and CCID specified on the screen.

4. Select the status assignments you want to modify.

5. Press Enter. CA-Endevor/DB returns the Status/Entity Detail screen (NDVRM620), which shows the detail for the first selected status assignment.

Modify the status name to change the status associated with the entity, or update the Association Information comments to change the comments describing the status assignment.

6. Press Enter. If you selected more than one status assignment, CA-Endevor/DB returns the Detail screen for the next selected status assignment each time you press Enter, until each selection has been processed.

9.2.1.8 Delete Status/Entity Associations

Use this option to delete, for one or more entities, the current status assignment (either the base status assignment or a status assignment made within the context of a particular CCID). This does not change the data stored for either the status definition or the entity descriptor (or the CCID, if applicable) but, rather, creates a junction between these items in the CCDB.

To use this option, follow these steps:

1. Specify option 8 on the Status Functions screen (NDVRU600).
2. Identify the entity for which you want to delete a status assignment. You can identify a specific entity by entering the entity name, type, and version; or you can leave the entity fields blank or supply partial information, to list assignments for all entities that match the partial identification.

Identify the CCID within whose context the status was assigned. Leave the CCID blank to display the base status as well as the status setting made within the context of all CCIDs in the CCDB (for the status and entities specified, if these qualifiers are filled in).

3. Press ENTER. CA-Endevor/DB returns the Status/Entity List screen (NDVRU620), which shows all status assignments that meet the criteria.
4. Select the assignments to be deleted.
5. Press Enter. CA-Endevor/DB returns the Status/Entity Detail screen (NDVRM620), which shows the detail for the first selected status assignment.
6. Press Enter to delete the assignment. (To abort the request, press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n.)

If you selected more than one assignment, CA-Endevor/DB returns the Detail screen for the next selected assignment each time you press Enter, until each selection has been processed.

9.3 Processing Screen Descriptions

This section describes the screens used for Status processing. The screens are presented by screen ID, in the order shown below:

Screen ID	Screen Name	Used by Options
NDVRU600	Status Functions	1, 2, 3, 4, 5, 6, 7, and 8
NDVRU610	Status List	1, 3, and 4
NDVRM610	Status Detail	1, 2, 3, and 4
NDVRU620	Status/Entity List	5, 7, and 8
NDVRM620	Status/Entity Detail	5, 6, 7, and 8

9.3.1 Status Functions Screen

Use the Status Functions screen to view and maintain information stored in the CCDB for a status definition; or to view or maintain status settings for entities. Fill in the screen for the option desired, as described at the beginning of this chapter. Press ENTER when you are through.

```

CA-E/DB 15.0 CAABF0          STATUS FUNCTIONS          06/02/97 NDVRU600
USER ==> EDBADMIN            DICTNAME ==> SRCNDVR        MODE ==> UPDATE

OPTION ==>

  1 - BROWSE STATUS DESCRIPTORS      2 - ADD A STATUS DESCRIPTOR
  3 - MODIFY STATUS DESCRIPTORS      4 - DELETE STATUS DESCRIPTORS
  5 - BROWSE STATUS/ENTITY ASSOCIATIONS 6 - ADD A STATUS/ENTITY ASSOCIATION
  7 - MODIFY STATUS/ENTITY ASSOCIATIONS 8 - DELETE STATUS/ENTITY ASSOCIATIONS

STATUS      ==>                                (IF OPTIONS 1 - 8 )

ENTITY:                                           (IF OPTIONS 5 - 8 )
NAME       ==>
TYPE       ==>
VERSION    ==>

THE FOLLOWING VALUE IS USED WHEN STATUS IS SET WITHIN THE CONTEXT OF A CCID
CCID       ==> EDB-QA                                (IF OPTIONS 5 - 8 )

```


9.3.1.1 NDVRU600 Field Descriptions

OPTION Number that specifies the subfunction desired:

Option	Used To
1	Browse the information stored in the CCDB for one or more status definitions.
2	Add a new status definition to the CCDB.
3	Change the type code, comments, or name for one or more status definitions in the CCDB.
4	Delete one or more status definitions from the CCDB.
5	Browse the entities that have been assigned a particular status (either as a base status or within the context of a particular CCID). Optionally, restrict the browse to only those status assignments made for a particular entity or CCID. If desired, select one or more status assignments for further detail display.
6	Assign a particular status to an existing entity, either as a base status or within the context of a CCID.
7	Modify the status name assigned to one or more entities, or the comments describing one or more entity status assignments.
8	For one or more entities, delete the current status assignment (either the base status assignment or a status assignment made within the context of a particular CCID).

STATUS Name of the status definition being processed. If specified, this must be the full status name. Leave blank to request all status definitions in the CCDB. This is used by the add and add-association options (**2** and **6**) to prefill the Detail screen returned.

ENTITY Information to define the entity being processed; that is, the entity assigned (or to be assigned) a status. Used for options **5-8**. Used by the add-association option (**6**) to prefill the Detail screen returned.

Field	Description
Name	Name of the entity. Leave blank to request all entities in the CCDB (for the type and/or version specified, if either qualifier is provided)
Type	Type of IDD or CCDB entity. Leave blank to request all types recorded in the CCDB (for the entity name and/or version specified, if either qualifier is provided). See Chapter 3 for a list of CCDB entity types.
Version	1-4 digit version number for the entity. Leave blank to request all versions recorded in the CCDB (for the entity name and/or type specified, if either qualifier is provided).

CCID Name of the CCID within whose context the status assignments are defined. This is used for options **5**, **7**, and **8** to restrict processing to the base status for each entity, as well as the status set within the context of the CCID named. It is also used by the add-association option (**6**) to prefill the Detail screen returned.

9.3.2 Status List Screen

The Status List screen is returned for options **1**, **3**, and **4** from the Status Functions screen, when you do not specify the status name. It displays all status definitions defined to the CCDB.

Use this screen to select the status definition to be processed. Place any character in the left-most column next to each desired status, then press ENTER.

```

CA-E/DB 15.0 CAABF0          STATUS LIST          06/02/97 NDVRU610
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR      MODE ==> UPDATE

ACTION ==> BROWSE
  STATUS      TYP      COMMENT
- DEBUGGING   PRI STATUS FOR PRIVATE DEBUGGING
- DEVELOPMENT PUB DEVELOPMENT STATUS
- EDB-ISSUE    PUB E/DB OPEN STAR ISSUE
- MANUAL-ENTITY PUB STATUS FOR MANUALLY DEFINED ENTITIES
- MIGRATE      PUB STATUS FOR THINGS TO MIGRATE
- MIGRATE-TEST PUB TEST STATUS FOR APRIL MIGRATION
- NEVER-MIGRATE PUB STATUS FOR THINGS TO NEVER MIGRATE
- REPORTING    PUB E/DB 15.0 REPORTING
- TESTING      PUB STATUS FOR PUBLIC TESTING
- **   END    **

```

9.3.2.1 NDVRU610 Field Descriptions

ACTION Description of the current processing function: BROWSE, MODIFY, or DELETE.

Field	Description
(no title)	Field used to select a status definition for further detailed processing. Place any character in this column next to each definition to be processed.
Status	Display only. Name of the status definition.
Typ	Display only. Indication of whether the status definition is public or private: <ul style="list-style-type: none"> ■ PUB -- Any user can assign this status, assuming the user can access the add association option (6) ■ PRI-- A user must be authorized to use this status definition in order to assign this status

Field	Description
Comment	User-defined comments associated in the CCDB with the status definition.

9.3.3 Status Detail Screen

The Status Detail screen is returned for options **1-4**. For options **1, 3, and 4**, it is returned directly from the Status Functions screen if you filled in the status name on that screen; or from the Status List screen (NDVRU610) once you select a status definition for detailed processing. In this case, it displays detailed CCDB information for the requested status definition. For option **2** (add), the Status Detail screen is returned directly from the Status Functions screen and is prefilled with the status name, if that name was supplied on the screen.

```

CA-E/DB 15.0 CAABF0          STATUS DETAIL          06/02/97 NDVRM610
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR      MODE ==> UPDATE

ACTION ==> BROWSE
***** STATUS INFORMATION *****
NAME      ==> NEVER-MIGRATE      TYPE ==> PUBLIC
COMMENT ==> STATUS FOR THINGS TO NEVER MIGRATE

```

The use of this screen varies by option:

Option	Screen Use
1	Browse (display) only.
2	Fill in the Status Name, as necessary, to identify the new status definition in the CCDB. Add to the type code any comments desired. The type code defaults to PUBLIC for option 2 .
3	Modify the type code or comments, or change the Status Name.
4	Display then delete a status definition.

For options **2-3**, press Enter to add/modify the status information in the CCDB. For option **4**, press Enter to delete the status definition. (Press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n to abort the delete request.)

9.3.3.1 NDVRM610 Field Descriptions

ACTION Description of the current processing function: BROWSE, ADD, MODIFY, or DELETE.

STATUS INFORMATION Detailed information about the status definition.

Field	Description
Name	Name of the status definition.
Type	Indication of whether the status definition is public or private. Defaults to PUBLIC for the add option (2). <ul style="list-style-type: none"> ■ PUB -- Any user can assign this status, assuming the user can access the add association option (6) ■ PRI-- A user must be authorized to use this status definition in order to assign this status
Comment	User-defined comments associated with the status definition.

9.3.4 Status/Entity List Screen

The Status/Entity List screen is returned for options **5**, **7**, and **8** from the Status Functions screen and displays the status names requested from that screen. For each status shown, it lists each entity assigned the status, either as a base status or within the context of a particular CCID (if the CCID was specified on the Status Functions screen). The information displayed is limited to the entities indicated on the screen, if any.

Use this screen to view the information displayed and, optionally, to request a Detail screen appropriate to one or more specific status assignments (associations). To request further detail, place any non-blank character in the left-most column next to each association for which the detail is desired, then press ENTER.

CA-E/DB 15.0 CAABF0		STATUS/ENTITY LIST		06/02/97 NDVRU620	
USER ==> EDBADMIN		DICTNAME ==> SRCNDVR		MODE ==> UPDATE	
ACTION ==> BROWSE					
STATUS		ENTITY NAME		TYP	VERS
— NEVER-MIGRATE		ADSO-APPLICATION-GLOBAL-RECORD		REC	1
— NEVER-MIGRATE		ADSO-STAT-DEF-REC		REC	1
— NEVER-MIGRATE		DEPARTMENT		REC	100
— NEVER-MIGRATE		EMPSCHM		SCH	100
— NEVER-MIGRATE		EMPSS01 EMPSCM		SUB	100
** END **					

9.3.4.1 NDVRU620 Field Descriptions

ACTION Description of the current processing function: BROWSE, MODIFY, or DELETE.

Field	Description
(no title)	Field used to select a line (status assignment) for further detailed display. Place any non-blank character in this column next to each status assignment to be processed.

STATUS Display only. Status associated with the entity name shown on the same line. If a CCID is also displayed on the line, the status is assigned to the entity within the context of the CCID. Otherwise, the status is the base status for the entity.

ENTITY NAME Display only. Name of the entity associated with the status (and CCID, if any) shown on the same line.

Field	Description
Typ	Display only. Type of IDD or CCDB entity.
Comment	User-defined comments associated with the status definition.

CCID Display only. CCID in whose context the status was assigned to the entity. Blank if the status is the base status for the entity.

9.3.5 Status/Entity Detail Screen

This screen is returned for options **5-8**.

For options **5**, **7**, and **8**, it is returned from the Status/Entity List screen (NDVRU620), once you select a status assignment for detailed processing. In this case, it displays detailed CCDB information for the requested status definition and current CCDB information for: the entity (entity descriptor) assigned the status, the CCID within whose context the status assignment was made (if appropriate), and the comments describing the status assignment.

Note: All the CCDB information is current and may not be the same as the information stored (for the status, entity, CCID, or comments) at the time the status assignment was made.

For option **6** (add-association), the Status/Entity Detail screen is returned directly from the Status Functions screen and is prefilled with as much information as possible based on the status, entity, and CCID identification supplied on the screen (if any).

CA-E/DB 15.0 CAABF0 USER ==> EDBADMIN	STATUS/ENTITY DETAIL DICTNAME ==> SRCNDVR	06/02/97 NDVRM620 MODE ==> UPDATE
ACTION ==> BROWSE		
***** STATUS INFORMATION *****		
NAME ==> NEVER-MIGRATE	TYPE ==> PUBLIC	
COMMENT ==> STATUS FOR THINGS TO NEVER MIGRATE		
***** ASSOCIATION INFORMATION *****		
COMMENT ==>		
***** ENTITY INFORMATION *****		
NAME ==> ADSO-APPLICATION-GLOBAL-RECORD	VERSION ==> 1	
TYPE ==> RECORD	LOCKED ==> N	
COMMENT ==>		
***** CCID INFORMATION *****		
NAME ==> EDB-QA	SECURITY CLASS ==> QA	LOCKED ==> N
COMMENT ==> E/DB 15.0 QA		

The use of this screen varies by option:

Option	Screen Use
5	Browse (display) only.
6	Display the status definition, entity (entity descriptor) and CCID requested -- or fill in the Status Name, Entity Name, Type, and Version; and/or CCID to identify the status, entity, and CCID -- then associate the three in the CCDB. The CCID will be blank (and should be left blank) if the association is not being made within the context of a particular CCID.
7	Modify the (Association Information) comments describing the status assignment, or change the Status Name with which the entity is associated.
8	Display the status assignment requested, then delete the association (assignment) from the CCDB.

For options **6-7**, press Enter to add/modify the information in the CCDB. For option **8**, press Enter to delete the status assignment. (Press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n to abort the delete request.)

9.3.5.1 NDVRM620 Field Descriptions

ACTION Description of the current processing function: BROWSE, ADD, MODIFY, or DELETE.

STATUS INFORMATION Display only. Detailed information about the status assigned (or to be assigned) to the entity; optionally within the context of the CCID shown.

Field	Description
Name	Name of the status.

Field	Description
Type	Indication of whether the status definition is public or private: <ul style="list-style-type: none"> ■ PUB -- Any user can assign this status, assuming the user can access the add association option (6) ■ PRI -- A user must be authorized to use this status definition in order to assign this status
Comment	User-defined comments associated with the status definition.

ASSOCIATION INFORMATION User-defined comments associated with the status setting.

ENTITY INFORMATION Detailed descriptor information corresponding to the entity assigned (or to be assigned) the status shown.

Field	Description
Name	Name of the entity represented by the descriptor.
Version	Version number for the entity.
Type	Type of entity.
Comment	User-defined comments associated with the entity descriptor.

CCID INFORMATION Detailed information about the CCID within whose context the entity status was (or will be) assigned. Blank if the status is the base status assignment for the entity.

Field	Description
Name	Name of the CCID.
Security Class	Display only. Security class for the CCID.
Locked	Display only. The lock flag. If Y, the CCID is locked and you cannot sign on under that CCID.
Comment	Display only. User-defined comments associated with the CCID.

Chapter 10. User Processing

10.1 Introduction

```
CA-E/DB 15.0 CAABF0      MAIN FUNCTION MENU      06/02/97 NDVRU000
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR      MODE ==> UPDATE

OPTION ==> 7

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC
```

User and User Change History Processing (option 7 from the Main Function menu) allows you to view and maintain CA-Endevor/DB user definitions in the CCDB and to review or revise the associations stored in the CCDB between users and Change Log Entries.

To request this facility, fill in an option value of 7 and press Enter from the Main Function Menu.

CA-Endevor/DB returns the User Functions screen. The screen displayed for any given user may differ from that shown here, depending on whether menu items have been masked from use.

The options available from the User Functions screen are described below. For each option, the description includes its use and instructions to process.

```
CA-E/DB 15.0 CAABF0      USER FUNCTIONS      06/02/97 NDVRU700
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR    MODE ==> UPDATE

OPTION ==>

  1 - BROWSE USER DESCRIPTORS      2 - ADD A USER DESCRIPTOR
  3 - MODIFY USER DESCRIPTORS      4 - DELETE USER DESCRIPTORS
  5 - BROWSE USER/CHANGE ASSOCIATIONS 6 - ADD A USER/CHANGE ASSOCIATION
  7 - MODIFY USER/CHANGE ASSOCIATIONS 8 - DELETE USER/CHANGE ASSOCIATIONS

USER          ==>                                (IF OPTIONS 1-8 )

ENTITY:                                (IF OPTIONS 5, 6, 7, 8 )
NAME          ==>
TYPE          ==>
VERSION       ==>

CHANGE-LOG SELECTION CRITERIA:          (IF OPTIONS 5, 6, 7, 8 )
START DATE   ==>                        END DATE   ==> 06/02/97
START TIME   ==>                        END TIME   ==>
ACTION CODE  ==>
```

The detailed screens used for status processing are described individually, following the option summary.

Before reading further, you should be familiar with the screen-handling information in Chapters 1 through 3.

10.2 Processing Options Summary

This section describes the following options:

- Option 1: Browse User
- Option 2: Add a User Descriptor
- Option 3: Modify User Descriptors
- Option 4: Delete User Descriptors
- Option 5: Browse User/Change Associations
- Option 6: Add a User/Change Association
- Option 7: Modify User/Change Associations
- Option 8: Delete User/Change Associations

10.2.1.1 Browse User

Use this option to browse user information stored in the CCDB. You can select one or more users and display detailed CCDB information for those definitions.

To use this option, follow these steps:

1. Specify option 1 on the User Functions screen (NDVRU700).
2. Identify the user for which you want CCDB information. Leave the user name blank to obtain a list of all users defined to in the CCDB.
3. Press Enter. CA-Endevor/DB returns the User List screen (NDVRU710). View the list and select the users for which you want more detailed information.

CA-Endevor/DB returns the User Detail screen (NDVRM710), showing the current CCDB data for the first user selected. If you made multiple selections above (Step 2), press Enter to see the detail for the next user selected, and so on until all users have been viewed.

10.2.1.2 Add a User Descriptor

Use this option to add a new user to the CCDB.

To use this option, follow these steps:

1. Specify option 2 on the User Functions screen (NDVRU700).
2. You can identify the user to be added by filling in the user name on the screen or you can leave the name blank (and supply the name on the Detail screen).
3. Press ENTER.

CA-Endevor/DB returns the User Detail screen (NDVRM710), filled in with the user name (if entered on the Status Functions screen).

Enter (or overtyp) the user name, as necessary. Add the security class, password, current CCIDs, and/or any comments, then press Enter to update the CCDB.

10.2.1.3 Modify User Descriptors

Use this option to change the name, security class, password, current CCIDs, and/or comments for one or more users defined in the CCDB.

You can change the user name only if there are no Change Log Entries associated with the user.

To use this option, follow these steps:

1. Specify option 3 on the User Functions screen (NDVRU700).
2. Identify the user to be modified. Leave the user name blank to obtain a list of all users defined to the CCDB.
3. Press ENTER.

If you did not fill in the user name, CA-Endevor/DB returns the User List screen (NDVRU710), which contains a list of all users. Select the users you want to modify.

4. CA-Endevor/DB returns the User Detail screen (NDVRM710), which contains the current CCDB data for the first selected user.
5. Update the user name, security class, password, current CCIDs, and/or comment information, and then press Enter.

If you made multiple selections above, each time you press Enter, CA-Endevor/DB returns the User Detail screen for the next selected user until all selections have been processed.

10.2.1.4 Delete User Descriptors

Use this option to delete one or more users from the CCDB. This is applicable only if you are authorized to delete users. In addition, the users must have no associated change log entries.

To use this option, follow these steps:

1. Specify option 4 on the User Functions screen (NDVRU700).
2. Identify the user you want to delete. You can leave the user name blank to obtain a list of all users defined to the CCDB.
3. Press ENTER.

If you did not enter the user name, CA-Endevor/DB returns the User List screen (NDVRU710), which contains a list of all users. Select the users you want to delete and press Enter.

4. CA-Endevor/DB returns the User Detail screen (NDVRM710) for the first selected user. Press Enter to delete the user from the CCDB. (To abort the request, press

PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n.)

If you selected more than one user, each time you press Enter, CA-Endevor/DB returns detailed information for the next selected user, until all selections have been processed.

10.2.1.5 Browse User/Change Associations

Use this option to browse the Change Log Entries for one or more users to view the history of change for those users. You can specify a start/end date and time for the browse, or restrict the browse to only those Change Log Entries recorded for a specific type of update. Select one or more Change Log Entries and display detailed CCDB information related to those entries.

This function is useful to review all changes made to the dictionary by a particular user or user group.

To use this option, follow these steps:

1. Specify option 5 on the User Functions screen (NDVRU700).
2. Identify the user for which you want to review Change Log information. You can identify a specific user, by filling in the user name, type, and version. Alternatively, leave these fields blank or supply partial information (user name, type, and/or version), to obtain a list of Change Log Entries for all users (if blank), or all users that match the partial identification given.

You can define the range of time for which you want to display Change Log Entries by entering the start date/time and the end date/time. Enter the action code to restrict the browse to only those Change Log Entries recorded for a specific type of update.

3. Press Enter.

CA-Endevor/DB returns the User/Change Log Entry/Entity/CCID List screen (NDVRU720), which shows the Change Log Entries for the requested users, entities, range of time, and action code.

4. You can select one or more Change Log Entries for which you want more detailed CCDB information. If you do, CA-Endevor/DB returns the User/Change Log Entry/Entity/CCID Detail screen (NDVRM720) for the first selected Change Log Entry. This screen shows the Change Log Entry detail, as well as current CCDB data for the user, entity descriptor, and CCID that correspond to the Change Log Entry. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected Change Log Entry, until all selected entries have displayed.

10.2.1.6 Add a Status/Entity Association

Use this option to associate a user with an existing Change Log Entry. This does not change the data stored for either the user or the Change Log Entry; instead, it creates a junction between the two.

This function might be useful, for example, if an entity was changed by a user who was not signed on to CA-Endevor/DB, to relate the change to the appropriate user within the CCDB.

To use this option, follow these steps:

1. Specify option 6 on the User Functions screen (NDVRU700).
2. Identify the user you want to associate with an existing Change Log Entry, and the entity for which the Change Log Entry was recorded. You can provide full user and entity identification, or you can leave any or all of the identifier fields blank (and supply them in the Detail screen).

You can further identify the specific Change Log Entry by providing the start date, start time, and action code.

3. Press Enter.

CA-Endevor/DB returns the User/Change Log Entry/Entity/CCID Detail screen (NDVRM720), which contains the information for the user, entity (entity descriptor), and any change log selection criteria supplied on the User Functions screen.

4. To identify the user and Change Log Entry being associated, enter the user name; Change Log date, time, and action code; and entity name, type, and version.
5. Press Enter to join the user and Change Log Entry.

Note that the CCID Information at the bottom of the screen is for display only and is only filled in if the Change Log Entry is uniquely defined (and is associated with a CCID).

10.2.1.7 Modify User/Change Associations

Use this option to modify the comments describing the association between one or more pairs of users and Change Log Entries, or to change the user with which one or more Change Log Entries are associated.

This function is useful when a change was logged under the wrong USERID, to correct the user associated with the change.

To use this option, follow these steps:

1. Specify option 7 on the User Functions screen (NDVRU700).
2. Identify the user and entity that define the user/Change Log association you want to modify. Leave the user name blank to list associations for all users defined to the CCDB (for the entity/entities, range of time, and/or action code specified).

Leave any or all of the entity identification fields blank to list the associations for all entities that match the partial identification.

You can further identify the specific Change Log Entry by providing the start date, start time, and action code; or you can enter the start date/time and end date/time range to define a group of Change Log Entries.

3. Press Enter.

CA-Endevor/DB returns the User/Change Log Entry/Entity/CCID List screen (NDVRU720), which contains all user/change log associations that meet the specified criteria.

4. Select the Change Log Entry you want to modify.

5. Press Enter. CA-Endevor/DB returns the User/Change Log Entry/Entity/CCID Detail screen (NDVRM720), which shows the Change Log Entry detail for the first selected entry.

Modify the comment information for the Change Log Entry (to describe the association with the user) or change the user name to associate the Change Log Entry with a different user.

6. Press Enter. If you selected more than one Change Log Entry, CA-Endevor/DB returns the Detail screen for the next selected Change Log Entry each time you press Enter until each entry has been processed.

10.2.1.8 Delete Status/Entity Associations

Use this option to delete the association between one or more pairs of users and Change Log Entries. This does not change the data stored for the associated user and Change Log Entry, but rather deletes the junction between the two.

To use this option, follow these steps:

1. Specify option 8 on the User Functions screen (NDVRU700).
2. Identify the user and entity that define the user/change log association you want to delete. Leave the user name blank to list associations for all users defined to the CCDB (for the entity/entities, range of time, and/or action code specified). Leave any or all of the entity identification fields blank to list the associations for all entities that match the partial identification.

You can further identify the specific Change Log Entry by providing the start date, start time, and action code; or you can enter the start date/time and end date/time range to define a group of Change Log Entries.

3. Press Enter.

CA-Endevor/DB returns the User/Change Log Entry/Entity/CCID List screen (NDVRU720), which contains all user/change log associations that meet the specified criteria.

4. Select all Change Log Entries for which you want to delete an association.

5. Press Enter. CA-Endevor/DB returns the User/Change Log Entry/Entity/CCID Detail screen (NDVRM720), which shows the Change Log Entry detail for the first selected entry.
6. Press Enter to delete the association between the Change Log Entry and the user. (To abort the request, press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n.)

If you selected more than one Change Log Entry, CA-Endevor/DB returns the Detail screen for the next selected Change Log Entry each time you press Enter until each entry has been processed.

10.3 Processing Screen Descriptions

This section describes the screens used for user processing. The screens are presented by screen ID, in the order shown below:

Screen ID	Screen Name	Used by Options
NDVRU700	User Functions	1, 2, 3, 4, 5, 6, 7, and 8
NDVRU710	User List	1, 3, and 4
NDVRM710	User Detail	1, 2, 3, and 4
NDVRU720	User/Change Log Entry/Entity/CCID List	5, 7, and 8
NDVRM720	User/Change Log Entry/Entity/CCID Detail	5, 6, 7, and 8

10.3.1 User Functions Screen

Use the User Functions screen to review and maintain information and Change Log relationships stored in the CCDB for a user. Fill in the screen for the option desired, as described at the beginning of the chapter. Press Enter when you are through.

```

CA-E/DB 15.0 CAABF0          USER FUNCTIONS          06/02/97 NDVRU700
USER ==> EDBADMIN            DICTNAME ==> SRCNDVR      MODE ==> UPDATE

OPTION ==>

  1 - BROWSE USER DESCRIPTORS          2 - ADD A USER DESCRIPTOR
  3 - MODIFY USER DESCRIPTORS          4 - DELETE USER DESCRIPTORS
  5 - BROWSE USER/CHANGE ASSOCIATIONS  6 - ADD A USER/CHANGE ASSOCIATION
  7 - MODIFY USER/CHANGE ASSOCIATIONS  8 - DELETE USER/CHANGE ASSOCIATIONS

USER          ==>                                (IF OPTIONS 1-8 )

ENTITY:                                              (IF OPTIONS 5, 6, 7, 8 )
NAME          ==>
TYPE          ==>
VERSION       ==>

CHANGE-LOG SELECTION CRITERIA:                    (IF OPTIONS 5, 6, 7, 8 )
START DATE    ==>                                END DATE ==> 06/02/97
START TIME    ==>                                END TIME ==>
ACTION CODE    ==>

```

10.3.1.1 NDVRU700 Field Descriptions

OPTION Number that specifies the subfunction desired:

Option	Used To
1	Browse the information stored in the CCDB for one or more users.
2	Add a new user to the CCDB.
3	Change the name, security class, password, current CCIDs, and/or comments for one or more users defined in the CCDB (with the restriction that you can change the name only for users for which there are no Change Log Entry associations).
4	Delete one or more users from the CCDB (applicable for users for which there are no Change Log Entry associations).
5	Browse the Change Log Entries for one or more users, optionally specifying a start/end date and time for the browse, or restricting the browse to only those change log entries recorded for a specific type of update.
6	Associate a user with an existing change log entry, by creating a junction between the two in the CCDB.
7	Modify the comments describing the association between one or more pairs of users and change log entries, or change the user associated with one or more change log entries.
8	Delete the association between one or more pairs of users and change log entries by eliminating the junction between them.

USER Name of the user being processed. If specified, this must be the full userid. Leave blank to request all users in the CCDB. Used by the add and add-association options (2 and 6) to prefill the Detail screen returned.

ENTITY Information to define the entity being processed. Used for options **5-8**. Used by the add-association option (6) to prefill the Detail screen returned.

Field	Description
Name	Name of the entity. Leave blank to request all entities in the CCDB (for the type and/or version specified, if either qualifier is provided)
Type	Type of IDD or CCDB entity. Leave blank to request all types recorded in the CCDB (for the entity name and/or version specified, if either qualifier is provided). See Chapter 3 for a list of CCDB entity types.

Field	Description
Version	1-4 digit version number for the entity. Leave blank to request all versions recorded in the CCDB (for the entity name and/or type specified, if either qualifier is provided).

CHANGE-LOG SELECTION CRITERIA Optional qualifiers used for options **5-8**.

Used by options **5**, **7**, and **8** to define the starting and/or ending date and time for which you want to display CCDB information, or to restrict the display to only those changes recorded for a specific type of update. Used for option **6** (add-association) to prefill the Detail screen returned. (Only Start Date, Start Time, and Action Code are used for option **6**.)

Field	Description
Start Date	Starting date from which you want to display CCDB information (mm/dd/yy). Specify a date, or leave blank to browse from the earliest information recorded in the CCDB through the End Date/Time.
Start Time	Time, within Start Date, from which you want to display CCDB information (hh:mm:ss on a 24-hour clock). Defaults to "00:00:00". If specified, Start Date must also be filled in.
End Date	Ending date through which you want to display CCDB information (mm/dd/yy). Displays originally as today's date. Specify another date, or blank out the date to browse through the most recent information recorded in the CCDB.
End Time	Time, within End Date, through which you want to display CCDB information (hh:mm:ss on a 24-hour clock). Defaults to "23:59:59". If specified, End Date must also be filled in.

Field	Description
Action Code	Code that identifies the type of update activity you want to see. Leave blank to display data for all types of update activity.
	A -- Add entity
	M -- Modify entity
	D -- Delete entity
	I -- Signin entity
	O -- Signout entity
	S -- Set entity status
	R -- Revise entity status
	T -- Terminate (remove) entity status
	C -- Migrate entity out
	V -- Migrate entity in
	P -- Archive CCDB execution (only for dictionary descriptor)

10.3.2 User List Screen

The User List screen is returned for options **1**, **3**, and **4** from the User Functions screen, when you do not specify the user name. It displays all users defined to the CCDB.

Use this screen to select the users to be processed. Enter any non-blank character in the left-most column next to each desired user, then press Enter.

```

CA-E/DB 15.0 CAABF0          USER LIST          06/02/97 NDVRU710
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR    MODE ==> UPDATE

ACTION ==> BROWSE
                USER NAME          LOCK
-   DEPTMGR                Y
-   DCADMIN                 N
-   EDBADMIN                N
-   ENDEVOR                 N
-   GLOBAL-USER             N
-   SYSADMIN                N
-   ***** END OF DATA *****

```

10.3.2.1 NDVRU710 Field Descriptions

ACTION Description of the current processing function: BROWSE, MODIFY, or DELETE.

Field	Description
(no title)	Field used to select a status definition for further detailed processing. Place any character in this column next to each definition to be processed.

USER NAME Display only. The name of the user.

LOCK Display only. The lock flag. If **Y**, the user is locked and you cannot sign on as that user.

10.3.3 User Detail Screen

The User Detail screen is returned for options **1-4**. For options **1, 3, and 4**, it is returned directly from the User Functions screen if you filled in the user name on that screen; or from the User List screen (NDVRU710) once you select a user for detailed processing. In this case, it displays detailed CCDB information for the user. For option **2** (add), the User Detail screen is returned directly from the User Functions screen and is prefilled with the user name, if that name was supplied on the screen.

```

CA-E/DB 15.0 CAABF0          USER DETAIL          06/02/97 NDVRM710
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR      MODE ==> UPDATE

ACTION ==> BROWSE
*****
USER          ==> EDBADMIN          PASSWORD ==>
SECURITY CLS ==> NDVR-GLOBAL
CURRENT CCID ==>

COMMENT       ==> ENDEVOR/DB ADMINISTRATOR
LOCKED        ==> Y                LOCK DATE ==> 06/02/97  LOCK TIME ==> 09:32:50

```

The use of this screen varies by option:

Option	Screen Use
1	Browse (display) only.
2	Fill in the user name, as necessary, to identify the new user uniquely. Add the security class, password, current CCIDs, and/or any comments desired..

Option	Screen Use
3	Modify the security class, password, current CCIDs, and/or comments, or change the user name.
4	Display then delete a user.

For options **2-3**, press Enter to add/modify the user information. For option **4**, press Enter to delete the user. (Press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with **=n** to abort the delete request.)

10.3.3.1 NDVRM710 Field Descriptions

ACTION Description of the current processing function: BROWSE, ADD, MODIFY, or DELETE.

USER INFORMATION Detailed information about the displayed user.

Field	Description
User	Name of the user.
Password	Password for the user. Always displayed as blanks. Used only for the add option (2) and modify option (3), to add or change the user password.
Security Cls	Security class for the user.
Current CCID	CCIDs associated with the user in the CCDB (if the derived CCID option is not in effect.
Comment	User-defined comments associated with the user.
Locked	The lock flag. If Y , the user is locked and you cannot sign on as that user.
Lock Date	The date the user was locked.
Lock Time	The time the user was locked.

10.3.4 User/Change Log Entry/Entity/CCID List Screen

The User/Change-Log Entry/Entity/CCID List screen is returned for options **5**, **7**, and **8** from the User Functions screen, and displays all Change Log Entries for the users, entities, time range, and action code requested.

Use this screen to view the information displayed and, optionally, to request the User/Change-Log Entry/Entity/CCID Detail screen (NDVRM720) for a particular Change Log Entries. To request the Detail screen, place any character in the left-most column next to each entry for which detail is desired, then press Enter.

CA-E/DB 15.0 CAABF0		USER/CHANGE-LOG ENTRY/ENTITY/CCID LIST		06/02/97	NDVRU720
USER ==> EDBADMIN		DICTNAME ==> SRCNDVR		MODE ==>	UPDATE
ACTION ==> BROWSE					
USER	LOG-ENTRY	ENTITY NAME	TYP	VERS	CCID
- EDBADMIN	L 06/02/97	DEPTMGR	EUS	1	
- EDBADMIN	M 06/02/97	DEPTMGR	EUS	1	EDB-DEVELOP
- EDBADMIN	A 06/02/97	ADSO-STAT-DEF-REC	REC	1	EDB-DEVELOP
- EDBADMIN	A 06/02/97	ADSO-APPLICATION-GLOBAL-RECORD	REC	1	EDB-DEVELOP
- EDBADMIN	S 06/02/97	DEPTMAP	MOD	1	
- EDBADMIN	S 06/02/97	DEPTMAP	MAP	1	
- EDBADMIN	S 06/02/97	DEPTMAP	LOA	1	
- EDBADMIN	S 06/02/97	DEPTUPD-ENTER	PRC	1	
- EDBADMIN	S 06/02/97	DEPTUPD-PREMAP	PRC	1	
- EDBADMIN	S 06/02/97	DEPTUPD	DIA	1	
- EDBADMIN	A 06/02/97	DEVELOPMENT	STA	1	
/ EDBADMIN	A 06/02/97	DEPTMAP	LOA	1	EDB-QA
- EDBADMIN	M 06/02/97	DEPTMAP	MOD	1	EDB-QA
- EDBADMIN	M 06/02/97	DEPTMAP	MAP	1	EDB-QA
- EDBADMIN	A 06/02/97	DEPTUPD-PREMAP	PRC	2	EDB-QA
- EDBADMIN	A 06/02/97	DEPTUPD-ENTER	PRC	2	EDB-QA

10.3.4.1 NDVRU720 Field Descriptions

ACTION Description of the current processing function: BROWSE, MODIFY, or DELETE.

Field	Description
(no title)	Field used to select a change log entry for further detailed display. Place any non-blank character in this column next to each change log entry to be processed.

USER Display only. User responsible for the change recorded in the Change Log Entry. Blank if there is no user associated with the entry.

LOG ENTRY Display only. One character describing the type of activity that resulted in the Change Log Entry, followed by the date (mm/dd/yy) that the Change Log Entry was recorded. The one character codes are described below:

- A -- Add entity
- M -- Modify entity
- D -- Delete entity
- I -- Signin entity
- O -- Signout entity
- S -- Set entity status
- R -- Revise entity status
- T -- Terminate (remove) entity status

- C -- Migrate entity out
- V -- Migrate entity in
- P -- Archive CCDB execution (only for dictionary descriptor)

ENTITY NAME Display only. Name of the entity for which the Change Log Entry was recorded.

Field	Description
Typ	Display only. Type of IDD or CCDB entity.
Vers	Display only. Version number for the entity.

CCID Display only. CCID under which the Change Log Entry was made. Blank if there is no CCID associated with the entry.

10.3.5 User/Change Log Entry/Entity/CCID Detail Screen

This screen is returned for options **5-8**.

For options **5**, **7**, and **8**, it is returned from the User/Change-Log Entry/Entity/CCID List screen (NDVRU720), once you select a Change Log Entry for detailed processing. In this case, it displays detailed information for the requested Change Log Entry, and current CCDB information for: the user responsible for the change, the descriptor, the changed entity, and the CCID under which the change was made (if any).

Note: The user, entity descriptor, and CCID information is current, and may not be the same as the information stored (for the user, descriptor, or CCID) at the time the Change Log Entry was recorded.

For option **6** (ADD ASSOCIATION), this screen is returned directly from the User Functions screen, and is prefilled with as much information as possible based on the the user, entity identification, and change log selection criteria supplied on that screen.

```

CA-E/DB 15.0 CAABF0 USER/CHANGE-LOG ENTRY/ENTITY/CCID DETAIL 06/02/97 NDVRM720
USER ==> EDBADMIN DICTNAME ==> SRCNDVR MODE ==> UPDATE

ACTION ==> BROWSE
***** USER INFORMATION *****
USER ==> EDBADMIN LOCKED ==> N
SECURITY CLS ==> NDVR-GLOBAL
CURRENT CCID ==>

COMMENT ==>
***** CHANGE-LOG ENTRY INFORMATION *****
DATE ==> 06/02/97 TIME ==> 08:36:38 ACTION ==> A
COMMENT ==>
PROGRAM ==> OLMPDBRT
***** ENTITY INFORMATION *****
NAME ==> DEPTMAP VERSION ==> 1
TYPE ==> LOAD-MODULE
COMMENT ==>
***** CCID INFORMATION *****
NAME ==> EDB-QA SECURITY CLASS ==> QA LOCKED ==> N
COMMENT ==> E/DB 15.0 QA

```

The use of this screen varies by option:

Option	Screen Use
5	Browse (display) only.
6	Display the user and change log entry requested -- or identify the user and change log entry by entering the user name; change log date, time, and action; and entity name, type, and version -- and then associate the two in the CCDB.
7	Modify comments describing the user/change log association, or change the user responsible for the change log entry.
8	Display the user and change log entry requested and then delete the association between the two.

For options **7**, press Enter to update the CCDB. For options **6** and **8**, press Enter to add/delete the user/change log association. (To abort the request, press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n.)

10.3.5.1 NDVRM720 Field Descriptions

ACTION Description of the current processing function: BROWSE, ADD, MODIFY, or DELETE.

USER INFORMATION Detailed information about the user responsible for (or to be associated with) the change.

Field	Description
Name	Name of the user.
Security Class	Display only. Security class for the user.
Current CCID	Display only. CCIDs associated with the user in the CCDB (if the derived CCID option is not in effect)
Locked	Display only. The lock flag. If Y , the user is locked and you cannot sign on as that user.
Comment	Display only. User-defined comments associated with the user.

CHANGE LOG ENTRY INFORMATION Detailed information stored in the Change Log Entry.

Field	Description
Date	Date the Change Log Entry was written (mm/dd/yy).
Time	Time the Change Log Entry was written (hh:mm:ss).
Action	Action that resulted in the Change Log Entry: A -- Add entity M -- Modify entity D -- Delete entity I -- Signin entity O -- Signout entity S -- Set entity status R -- Revise entity status T -- Terminate (remove) entity status C -- Migrate entity out V -- Migrate entity in P -- Archive CCDB execution (only for dictionary descriptor)

The following descriptive fields vary by action code. Displayed information is listed below each action code:

For action codes of A, M, or D (Add, Modify, or Delete entity):

- Program -- Name of the program that caused the update. This is usually the compiler program name or CA-Endevor/DB.

For action codes of A, M, or D (Add, Modify, or Delete entity) - after compression:

If several Change Log Entries have been combined due to CCDB compression or archive (after utility NDVRARCO is run) the date and time of the Change Log Entry will reflect the latest update to the entity. The descriptive portion of the Change Log Entry will contain the following fields in lieu of the updating program:

- Archived/Compressed Entities-- Number of Change Log Entries that have been combined.
- Start Date -- Date of the first Change Log Entry included in the combined group.
- Time -- Time of the first Change Log Entry included in the combined group.

For action code of I (Signin):

- Signed In For -- The user or CCID to which the entity was signed out when the signin occurred.

For action code of O (Signout):

- Signed Out To -- The user or CCID to which the entity was signed out.

For action codes of S, R, or T (Status Set, Reset, or Terminate):

- Status -- Status that was set, reset, or terminated.
- CCID -- CCID context with which the status was set, reset, or terminated. Base status is displayed with this field set to blank.

For action code of C (Migrate out):

- System -- System name of the target or destination system.
- DBName -- Dictionary name of the target dictionary.
- Date -- Date the entity was received on the target dictionary.
- Time -- Time the entity was received on the target dictionary.

For action code of V (Migrate in):

- System -- System name of the source or sending system.
- DBName -- Dictionary name of the source dictionary.
- Date -- Date the entity was selected for migration on the source dictionary.
- Time -- Time the entity was selected for migration on the source dictionary.
- Comment -- User-defined comments associated with the Change Log Entry.

ENTITY INFORMATION Detailed descriptor information corresponding to the entity that was changed.

Field	Description
Name	Name of the entity represented by the descriptor.
Version	Version number for the entity.

Field	Description
Type	Type of entity.
Comment	Display only. User-defined comments associated with the entity descriptor.

CCID INFORMATION Display only. Detailed information about the CCID within whose context the entity status was recorded (if any). This reflects the CCDB data for the CCID as it exists currently.

Field	Description
Name	Name of the CCID.
Security Cls	Security class for the CCID.
Locked	The lock flag. If Y , the CCID is locked and you cannot sign on under that CCID.
Comment.	User-defined comments associated with the CCID.

Chapter 11. Dictionary Descriptor Processing

11.1 Introduction

```
CA-E/DB 15.0 CAABF0      MAIN FUNCTION MENU      06/02/97  NDVRU000
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR      MODE ==> UPDATE

OPTION ==> 8

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC
```

Dictionary and Dictionary History processing (option **8** from the Main Function Menu) allows you to view, change, or delete CCDB dictionary descriptor information. It also allows you to review the history of changes made to one or more entities stored in the dictionary, to modify the comments associated with such a change, or to delete a change log entry for a change recorded against the dictionary. This chapter describes two of these functions:

- Review the history of changes made to one or more entities (option **4**)
- Modify comments associated with a change (option **5**)

The other options are described in the *CA-Endevor/DB Administrator Guide*.

To request the Dictionary and Dictionary History function, enter an option value of **8** and press Enter from the Main Function menu.

CA-Endevor/DB returns the Dictionary Functions screen. The menu displayed for any given user may differ from that shown here, depending on whether menu items have been masked from use.


```
CA-E/DB 15.0 CAABF0      DICTIONARY FUNCTIONS      06/02/97 NDVRU800
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR        MODE ==> UPDATE

OPTION ==>

  1 - BROWSE DICTIONARY DESCRIPTORS      2 - MODIFY DICTIONARY DESCRIPTORS
  3 - DELETE DICTIONARY DESCRIPTORS      4 - BROWSE CHANGE-LOG ENTRIES
  5 - MODIFY CHANGE-LOG ENTRIES          6 - DELETE CHANGE-LOG ENTRIES

DICTIONARY NAME ==> SRCNDVR                (IF OPTIONS 1-6 )

ENTITY:                                     (IF OPTIONS 4, 5, 6 )
NAME      ==>
TYPE      ==>
VERSION   ==>

CHANGE-LOG SELECTION CRITERIA:              (IF OPTIONS 4, 5, 6 )
START DATE ==>                               END DATE ==> 06/02/97
START TIME ==>                               END TIME ==>
ACTION CODE ==>
```

The two dictionary options discussed in this chapter (options **4** and **5**) are described in the next section followed by the detailed screens used for processing.

11.2 Processing Options Summary

This section describes the following options:

- Option 4: Browse Change Log Entries
- Option 5: Modify Change Log Entries

Refer to the *CA-Endevor/DB Administrator Guide* for details about options 1,2, 3, and 6.

11.2.1.1 Browse Change Log Entries

Use this option to browse the Change Log Entries recorded in the dictionary for one or more entities to view the history of change for those entities. You can specify a start/end date and time for the browse, or restrict the browse to only those Change Log Entries recorded for a specific type of update. Select one or more Change Log Entries and display detailed CCDB information related to those entries.

To use this option, follow these steps:

1. Specify option **4** on the Dictionary Functions screen (NDVRU800).
2. Identify all entities for which you want to review Change Log information. You can identify a specific entity by filling in the entity name, type, and version. Alternatively, leave these fields blank or supply partial information (entity name, type, and/or version), to obtain a list of Change Log Entries for all entities (if blank), or all entities that match the partial identification given.

You can define the range of time for which you want to display Change Log Entries by entering the start date/time and the end date/time. Enter an action code to restrict the browse to only those Change Log Entries recorded for a specific type of update.

3. Press Enter.

CA-Endevor/DB returns the Dict/Change Log/Entity/User/CCID List screen (NDVRU820), which shows the Change Log Entries for the requested entities, range of time, and action code. The change log entries are listed in date/time sequence.

4. You can select one or more Change Log Entries for which you want more detailed CCDB information. If you do, CA-Endevor/DB returns the Dict/Change Log/Entity/User/CCID Detail screen (NDVRM820) for the first selected Change Log Entry. This screen shows the Change Log Entry detail, as well as current CCDB data for the entity (entity descriptor), user, and CCID that correspond to the Change Log Entry. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected Change Log Entry, until all selected entries have displayed.

11.2.1.2 Modify Change Log Entries

Use this option to change the comments for one or more change log entries recorded in the dictionary.

To use this option, follow these steps:

1. Specify option **5** on the Dictionary Functions screen (NDVRU800).
2. Identify all entities for which you want to modify change log entries. You can identify a specific entity by filling in the entity name, type, and version. Alternatively, leave these fields blank or supply partial information (entity name, type, and/or version), to obtain a list of Change Log Entries for all entities (if blank), or all entities that match the partial identification given.

You can define the range of time for which you want to display Change Log Entries by entering the start date/time and the end date/time. Enter an action code to restrict the browse to only those Change Log Entries recorded for a specific type of update.

3. Press Enter.

CA-Endevor/DB returns the Dict/Change Log/Entity/User/CCID List screen (NDVRU820), which shows the Change Log Entries for the requested dictionary, entities, range of time, and action code. The change log entries are listed in date/time sequence.

4. Select the change log entries you want to modify.

Press Enter. CA-Endevor/DB returns the Dict/Change Log/Entity/User/CCID Detail screen (NDVRM820), which shows the Change Log Entry detail for the first selected entry.

Modify the comment information for the Change Log Entry; press Enter when you are through. If you selected more than one Change Log Entry, CA-Endevor/DB returns the Detail screen for the next selected Change Log Entry each time you press Enter until each entry has been processed.

11.3 Processing Screen Descriptions

This section describes the screens used for dictionary processing. The screens are presented by screen ID, in the order shown below:

Screen ID	Screen Name	Used by Options
NDVRU800	Dictionary Functions	1, 2, 3, 4, 5, and 6
NDVRU810	Dictionary List	1, 2, and 3
NDVRM810	Dictionary Descriptor Detail	1, 2, and 3
NDVRU820	Dict/Change Log/Entity/User/ CCID List	4 and 5
NDVRM820	Dict/Change Log/Entity/User/ CCID Detail	4, 5, and 6

11.3.1 Dictionary Functions Screen

Use the Dictionary Functions screen to browse the history of changes made to one or more entities recorded in the dictionary, or to change the comments for one or more such changes. Fill in the screen for the option desired (4 or 5) and press Enter.

```

CA-E/DB 15.0 CAABF0      DICTIONARY FUNCTIONS      06/02/97 NDVRU800
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR        MODE ==> UPDATE

OPTION ==> 4

  1 - BROWSE DICTIONARY DESCRIPTORS      2 - MODIFY DICTIONARY DESCRIPTORS
  3 - DELETE DICTIONARY DESCRIPTORS      4 - BROWSE CHANGE-LOG ENTRIES
  5 - MODIFY CHANGE-LOG ENTRIES          6 - DELETE CHANGE-LOG ENTRIES

DICTIONARY NAME ==> SRCNDVR                (IF OPTIONS 1-6 )
ENTITY:                                           (IF OPTIONS 4, 5, 6 )
  NAME           ==> DEPT*
  TYPE           ==>
  VERSION        ==> 1

CHANGE-LOG SELECTION CRITERIA:                (IF OPTIONS 4, 5, 6 )
  START DATE     ==>                      END DATE ==> 06/02/97
  START TIME     ==>                      END TIME ==>
  ACTION CODE    ==>

```

11.3.1.1 NDVRU800 Field Descriptions

The fields on the NDVRU800 screen are described below.

OPTION Number that specifies the subfunction desired.

Option	Used To
4	Browse the change log entries for one or more entities defined to the dictionary, optionally specifying a start/end date and time for the browse, or restricting the browse to only those change log entries recorded for a specific type of update.
5	Change the comments for one or more change log entries recorded in the CCDB for the dictionary.

DICTIONARY NAME Name of the Integrated Data Dictionary (IDD) that corresponds to the CCDB being processed. Leave this field as originally displayed.

ENTITY Information to define the entities for which you want to browse or modify change log entries.

Field	Description
Name	Name of the entity. Leave blank to request information for all entities (for the type and/or version specified, if either qualifier is provided).
Type	Type of IDD or CCDB entity. Leave blank to request all types recorded in the CCDB (for the entity name and/or version specified, if either qualifier is provided). See Chapter 3 for a list of CCDB entity types.
Version	1-4 digit version number for the entity. Leave blank to request all versions recorded in the CCDB (for the entity name and/or type specified, if either qualifier is provided).

CHANGE-LOG SELECTION CRITERIA Optional qualifiers used to define the starting and/or ending date and time for which you want to display CCDB information, or to restrict the display to only those changes recorded for a specific type of update.

Field	Description
Start Date	Starting date from which you want to display CCDB information (mm/dd/yy). Specify a date, or leave blank to browse from the earliest information recorded in the CCDB through the end date/time.
Start Time	Time, within start date, from which you want to display CCDB information (hh:mm:ss on a 24-hour clock). Defaults to "00:00:00". If specified, start date must also be filled in.
End Date	Ending date through which you want to display CCDB information (mm/dd/yy). Displays originally as today's date. Specify another date, or blank out the date to browse through the most recent information recorded in the CCDB.

Field	Description
End Time	Time, within end date, through which you want to display CCDB information (hh:mm:ss on a 24-hour clock). Defaults to "23:59:59". If specified, end date must also be filled in.

Field	Description
Action Code	<p>Code that identifies the type of update activity you want to see. Leave blank to display change log entries for all types of update activity.</p> <p>A -- Add entity</p> <p>M -- Modify entity</p> <p>D -- Delete entity</p> <p>I -- Signin entity</p> <p>O -- Signout entity</p> <p>S -- Set entity status</p> <p>R -- Revise entity status</p> <p>T -- Terminate (remove) entity status</p> <p>C -- Migrate entity out</p> <p>V -- Migrate entity in</p> <p>P -- Archive CCDB execution (only for dictionary descriptor)</p>

11.3.2 Dictionary List Screen

The Dictionary List screen is returned for options **1**, **2**, and **3** from the Dictionary Functions screen.

```

CA-E/DB 15.0 CAABF0          DICTIONARY LIST          06/12/97 NDVRU810
USER ==> RHORI01          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
  DICTNAME  LOCK
  SRCNDVR   N
-   * END *

```

Use this screen to select the dictionary to be processed. Enter any non-blank character in the left-most column next to the dictionary, then press Enter. Refer to the *CA-Endevor/DB Administrator Guide* for details.

11.3.3 Dictionary Descriptor Detail Screen

The Dictionary Descriptor Detail screen is returned for options **1-3** directly from the Dictionary Functions screen if you filled in the dictionary name; or from the Dictionary List screen once you select a descriptor for detailed processing.

```

CA-E/DB 15.0 CAABF0      DICTIONARY DESCRIPTOR DETAIL      06/12/97  NDVRM810
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR              MODE ==> UPDATE

ACTION ==> BROWSE

***** DICTIONARY INFORMATION *****
NAME      ==> SRCNDVR          SYSTEM/NODE NAME ==> DCSYSTEM
SEC. CLASS ==> NDVR-GLOBAL     DEFAULT USER CLASS ==> NDVR-DDA
ORG. NAME  ==>                DICTIONARY TYPE      ==> N
LOCKED     ==> N              LOCK DATE ==>          LOCK TIME ==>
COMMENT    ==> TEST SOURCE DICTIONARY - E/DB 15.0
AUTO-US: Y  NO-SYNC: Y  NO-PASS: Y

ENTITY: SCH DMC FIL TAS SUB USE DES REC SYS APO SET DIA APP ELE QFI PRC TAB FUN
MONITOR: Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y
AUTO-SO: N  N  N  N  N  N  N  N  N  N  N  N  N  N  N  N  N  N  N  N

ENTITY: MOD PHY CLA ATT MAP LOG LIN MSG LOA LR  PRO
MONITOR: Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y
AUTO-SO: N  N  N  N  N  N  N  N  N  N  N  N

```

Refer to the *CA-Endevor/DB Administrator Guide* for details.

11.3.4 Dict/Change Log/Entity/User/CCID List Screen

The Dict/Change Log/Entity/User/CCID List screen is returned for option **4** and **5** from the Dictionary Functions submenu. For each requested entity, it lists the change log entries recorded in the CCDB for the range of dates/times and the action code (if any) indicated. Note that change log entries are listed in date/time sequence rather than by entity name.

Use this screen to review the history of changes made and to request the Dict/Change Log/Entity/User/CCID Detail screen for a particular change log entry. To request the Detail screen, enter any non-blank character in the left-most column next to each entry for which detail is desired, then press Enter.

CA-E/DB 15.0 CAABF0		DICT/CHANGE-LOG/ENTITY/USER/CCID LIST		06/02/97	NDVRU820
USER ==> EDBADMIN		DICTNAME ==> SRCNDVR		MODE ==> UPDATE	
ACTION ==> BROWSE					
	DICT	ENTITY NAME	TYP	VERS	LOG-ENTRY USER CCID
-	SRCNDVR	DEPTMAP	MOD	1 S	06/02/97 EDBADMIN
-	SRCNDVR	DEPTMAP	MAP	1 S	06/02/97 EDBADMIN
-	SRCNDVR	DEPTMAP	LOA	1 S	06/02/97 EDBADMIN
-	SRCNDVR	DEPTUPD-ENTER	PRC	1 S	06/02/97 EDBADMIN
-	SRCNDVR	DEPTUPD-PREMAP	PRC	1 S	06/02/97 EDBADMIN
-	SRCNDVR	DEPTUPD	DIA	1 S	06/02/97 EDBADMIN
-	SRCNDVR	DEPTMAP	LOA	1 A	06/02/97 DEPTMGR EDB-DEVELOP
-	SRCNDVR	DEPTMAP	MOD	1 M	06/02/97 DEPTMGR EDB-DEVELOP
7	SRCNDVR	DEPTMAP	MAP	1 M	06/02/97 DEPTMGR EDB-DEVELOP
-	SRCNDVR	DEPTUPD	DIA	1 O	05/05/97 DEPTMGR EDB-DEVELOP
-	SRCNDVR	DEPTINQ-PREMAP	PRC	1 A	04/30/97 DEPTMGR EDB-DEVELOP
-	SRCNDVR	DEPTINQ-ENTER	PRC	1 A	04/30/97 DEPTMGR EDB-DEVELOP
-	SRCNDVR	DEPTUPD	DIA	1 A	04/30/97 DEPTMGR EDB-DEVELOP
-	SRCNDVR	DEPTUPD-PREMAP	PRC	1 M	04/30/97 DEPTMGR EDB-DEVELOP
-	SRCNDVR	DEPTUPD-PREMAP	PRC	1 M	04/30/97 DEPTMGR EDB-DEVELOP
-	SRCNDVR	DEPTUPD-PREMAP	PRC	1 A	04/30/97 DEPTMGR EDB-DEVELOP
-	SRCNDVR	DEPTUPD-ENTER	PRC	1 A	04/30/97 DEPTMGR EDB-DEVELOP

11.3.4.1 NDVRU820 Field Descriptions

The fields on the NDVRU820 screen are described below.

ACTION Description of the current processing function: BROWSE or MODIFY.

Field	Description
(no title)	Field used to select a Change Log Entry for further detailed display. Enter any non-blank character in this column next to each Change Log Entry you want to process.

DICT Display only. Name of the dictionary being processed.

ENTITY NAME Display only. Name of the entity for which change log information is displayed.

Field	Description
Typ	Type of IDD or CCDB entity.
Vers	Version number for the entity.

LOG ENTRY Display only. One character describing the type of activity that resulted in the Change Log Entry, followed by the date (mm/dd/yy) that the Change Log Entry was recorded. The one character codes are described below:

- A -- Add entity
- M -- Modify entity

- D -- Delete entity
- I -- Signin entity
- O -- Signout entity
- S -- Set entity status
- R -- Revise entity status
- T -- Terminate (remove) entity status
- C -- Migrate entity out
- V -- Migrate entity in
- P -- Archive CCDB execution (only for dictionary descriptor)

USER Display only. Name that identifies the CA-Endevor/DB user responsible for the Change Log Entry.

CCID Display only. CCID under which the Change Log Entry was made.
Blank if there is no CCID associated with the entry.

11.3.5 Dict/Change-Log/Entity/User/CCID Detail Screen

This screen is returned from the Dict/Change-Log/Entity/User/CCID List screen (NDVRU820), once you select a specific Change Log Entry for detailed display. It shows detailed information for the dictionary being processed and the selected Change Log Entry, and current CCDB information for: the descriptor for the changed entity, the user responsible for the change, and the CCID under which the change was made (if any).

Note: The dictionary, entity descriptor, user, and CCID information is current, and may not be the same as the information stored (for the descriptor, user, or CCID) at the time the Change Log Entry was recorded.

```

CA-E/DB 15.0 CAABF0  DICT/CHANGE-LOG/ENTITY/USER/CCID DETAIL  06/02/97  NDVRM820
USER ==> EDBADMIN          DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
***** DICTONARY INFORMATION *****
NAME ==> SRCNDVR          SYSTEM/NODE NAME ==> DCSYSTEM          LOCKED ==> N
COMMENT ==> TEST SOURCE DICTIONARY - E/DB 15.0
***** CHANGE-LOG ENTRY INFORMATION *****
DATE ==> 06/02/97          TIME ==> 08:36:38          ACTION ==> M
COMMENT ==>
PROGRAM ==> OLMPDBRT
***** ENTITY INFORMATION *****
NAME ==> DEPTMAP          VERSION ==> 1
TYPE ==> MAP
COMMENT ==>
***** USER INFORMATION *****
NAME ==> DEPTMGR          LOCKED ==> N
SECURITY CLS ==> NDVR-GLOBAL
COMMENT ==>
***** CCID INFORMATION *****
NAME ==> EDB-DEVELOP          LOCKED ==> N
SECURITY CLS ==> DEVELOPMENT
COMMENT ==> E/DB 15.0 DEVELOPMENT

```

The use of this screen varies by option:

Option	Screen Use
4	Browse (display) only
5	Modify the comments for change log entries

11.3.5.1 NDVRM820 Field Descriptions

The fields on the NDVRM820 screen are described below.

ACTION Description of the current processing function: BROWSE or MODIFY.

DICTIONARY INFORMATION Display only. Information describing the dictionary being processed.

Field	Description
Name	Name of the dictionary.
Locked	The lock flag. If Y , the dictionary is locked and no entity in that dictionary can be modified or deleted. If N , the dictionary is not locked and is available for update. The lock flag does not affect the ability to PRINT, PUNCH, or DISPLAY IDD entities, nor does it prevent migration processing or CCDB update (via the MIS Front End).
Comment	User-defined comments associated with the dictionary in the CCDB..

CHANGE LOG ENTRY INFORMATION Display only. Detailed information stored in the Change Log Entry.

Field	Description
Date	Date the Change Log Entry was written (mm/dd/yy).
Time	Time the Change Log Entry was written (hh:mm:ss).
Action Code	<p>Action that resulted in the Change Log Entry:</p> <p>A -- Add entity</p> <p>M -- Modify entity</p> <p>D -- Delete entity</p> <p>I -- Signin entity</p> <p>O -- Signout entity</p> <p>S -- Set entity status</p> <p>R -- Revise entity status</p> <p>T -- Terminate (remove) entity status</p> <p>C -- Migrate entity out</p> <p>V -- Migrate entity in</p> <p>P -- Archive CCDB execution (only for dictionary descriptor)</p>

The following descriptive fields vary by action code. Displayed information is listed below each action code:

For action codes of A, M, or D (Add, Modify, or Delete entity):

- Program -- Name of the program that caused the update. This is usually the compiler program name or CA-Endevor/DB.

For action codes of A, M, or D (Add, Modify, or Delete entity) - after compression:

If several Change Log Entries have been combined due to CCDB compression or archive (after utility NDVRARCO is run) the date and time of the Change Log Entry will reflect the latest update to the entity. The descriptive portion of the Change Log Entry will contain the following fields in lieu of the updating program:

- Archived/Compressed Entities-- Number of Change Log Entries that have been combined.
- Start Date -- Date of the first Change Log Entry included in the combined group.
- Time -- Time of the first Change Log Entry included in the combined group.

For action code of I (Signin):

- Signed In For -- The user or CCID to which the entity was signed out when the signin occurred.

For action code of O (Signout):

- Signed Out To -- The user or CCID to which the entity was signed out.

For action codes of S, R, or T (Status Set, Reset, or Terminate):

- Status -- Status that was set, reset, or terminated.
- CCID -- CCID context with which the status was set, reset, or terminated. Base status is displayed with this field set to blank.

For action code of C (Migrate out):

- System -- System name of the target or destination system.
- DBName -- Dictionary name of the target dictionary.
- Date -- Date the entity was received on the target dictionary.
- Time -- Time the entity was received on the target dictionary.

For action code of V (Migrate in):

- System -- System name of the source or sending system.
- DBName -- Dictionary name of the source dictionary.
- Date -- Date the entity was selected for migration on the source dictionary.
- Time -- Time the entity was selected for migration on the source dictionary.
- Comment -- User-defined comments associated with the Change Log Entry.

ENTITY INFORMATION Display only. Detailed descriptor information corresponding to the entity that was changed. This reflects the CCDB data for the entity descriptor as it currently exists.

Field	Description
Name	Name of the entity represented by the descriptor.
Version	Version number for the entity.
Type	Type of entity.
Comment	User-defined comments associated with the entity descriptor.

USER INFORMATION Display only. Detailed information about the user responsible for the change. This reflects the CCDB data for the user as it exists currently.

Field	Description
Name	Name of the user.
Locked	The lock flag. If Y , the user is locked and you cannot sign on as that user.
Security Cls	Security class for the user.
Comment	User-defined comments associated with the user.

CCID INFORMATION Display only. Detailed information about the CCID under which the change was recorded (if any). Blank if the change was not recorded under a CCID. This reflects the CCDB data for the CCID as it exists currently.

Field	Description
Name	Name of the CCID.
Locked	The lock flag. If Y , the CCID is locked and you cannot sign on under that CCID.
Security Cls	Security class for the CCID.
Comment	User-defined comments associated with the CCID.

Chapter 12. Management Group Processing

12.1 Introduction

```

CA-E/DB 15.0 CAABF0          MAIN FUNCTION MENU          06/02/97  NDVRU000
USER ==> RHORI01             DICTNAME ==> SRCNDVR         MODE ==> UPDATE

OPTION ==> 9

      1 - SIGNIN/SIGNOUT FUNCTIONS
      2 - AUTHORIZATION FUNCTIONS
      3 - LOCK FUNCTIONS
      4 - ENTITY AND ENTITY CHANGE HISTORY
      5 - CCID AND CCID CHANGE HISTORY
      6 - STATUS AND STATUS ASSOCIATIONS
      7 - USER AND USER CHANGE HISTORY
      8 - DICTIONARY AND DICTIONARY HISTORY
      9 - MANAGEMENT GROUPS AND CCIDS
     10 - ENDEVOR/DB CONTROL FUNCTIONS
     11 - ENDEVOR/DB SIGNON FUNCTION
     12 - RETURN TO IDMS/DC

```

Management groups and CCIDs processing (option **9** from the Main Function Menu) allows you to view and maintain management group definitions in the CCDB, including CCID assignments to particular management groups.

To request this facility, fill in an option value of **9** and press Enter from the Main Function Menu.

CA-Endevor/DB returns the Management Group Functions screen. The menu displayed for any given user may differ from that shown here, depending on whether menu items have been masked from use.

The options available from the Management Group Functions screen are described below. For each option, the description includes its use and instructions to process.

```

CA-E/DB 15.0 CAABF0          MANAGEMENT GROUP FUNCTIONS    06/02/97  NDVRU900
USER ==> EDBADMIN            DICTNAME ==> SRCNDVR          MODE ==> UPDATE

OPTION ==>

      1 - BROWSE MANAGEMENT GROUPS          2 - ADD A MANAGEMENT GROUP
      3 - MODIFY MANAGEMENT GROUPS          4 - DELETE MANAGEMENT GROUPS
      5 - BROWSE MGRP/CCID ASSOCIATIONS     6 - ADD AN MGRP/CCID ASSOCIATION
      7 - MODIFY MGRP/CCID ASSOCIATIONS     8 - DELETE MGRP/CCID ASSOCIATIONS

MANAGEMENT GROUP ==>                                (IF OPTIONS 1 - 8 )
CCID              ==> EDB-QA                        (IF OPTIONS 5, 6, 7, 8 )

```

The detailed screens used for Management Group processing are described individually, following the option summary.

Before reading further, you should be familiar with the screen-handling information in Chapters 1 through 3.

12.2 Processing Options Summary

This section describes the following options:

- Option 1: Browse Management Group
- Option 2: Add Management Group
- Option 3: Modify Management Groups
- Option 4: Delete Management Groups
- Option 5: Browse Management Group/CCID Associations
- Option 6: Add a Management Group/CCID Association
- Option 7: Modify Management Group/CCID Associations
- Option 8: Delete Management Group/CCID Associations

12.2.1.1 Browse CCID Descriptors

Use this option to browse information stored in the CCDB for one or more management groups. You can select one or more management groups and display detailed CCDB information for those groups.

To use this option, follow these steps:

1. Specify option 1 on the Management Groups Functions screen (NDVRU900).
2. Identify the management group for which you want CCDB information. Leave the group name blank to list all groups defined to the CCDB.
3. Press Enter. If you did not enter a management group name, CA-Endevor/DB returns the Management Group List screen (NDVRU910), from which you can select the groups for which you want more detailed information. When you press Enter, CA-Endevor/DB returns the Management Group Detail screen (NDVRM910), which shows the current CCDB data for a specific group.
4. CA-Endevor/DB returns the Management Group Detail screen (NDVRM910), which shows the current CCDB data for the first selected group. If you selected additional groups, press Enter to see detail for the next group, until all groups have displayed.

12.2.1.2 Add Management Group

Use this option to add a new management group to the CCDB.

To use this option, follow these steps:

1. Specify option 2 on the Management Group Functions screen (NDVRU900).
2. Identify the management group to be added. You can leave the name blank and select it from the Detail screen.

3. Press Enter. CA-Endevor/DB returns the Management Group Detail screen (NDVRM910), filled in with the management group name (if entered on the Management Group Functions screen).
4. Enter or overwrite the management group name as necessary. Add any comments and then press Enter to update the CCDB.

12.2.1.3 Modify Management Groups

Use this option to change the comments and/or name for one or more management groups defined in the CCDB.

To use this option, follow these steps:

1. Specify option 3 on the Management Group Functions screen (NDVRU900).
2. Identify the management group to be modified. You can leave the group name blank to obtain a list of all groups defined to the CCDB.
3. Press Enter.

If you did not enter the management group name, CA-Endevor/DB returns the Management Group List screen (NDVRU910), which contains a list of all management groups. Select the groups you want to modify.
4. Press Enter. CA-Endevor/DB returns the Management Group Detail screen (NDVRM910) for the first selected group.
5. Update the management group name and/or comment. Press Enter. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected management group, until all selected groups have been processed.

12.2.1.4 Delete Management Groups

Use this option to delete one or more management groups from the CCDB (applicable for users who are authorized to delete management groups).

To use this option, follow these steps:

1. Specify option 4 on the Management Group Functions screen (NDVRU900).
2. Identify the management group you want to delete or leave the group name blank to obtain a list of all groups defined to the CCDB.
3. Press Enter.

If you did not enter the management group name, CA-Endevor/DB returns the Management Group List screen (NDVRU910). Select the group you want to delete and press Enter.
4. CA-Endevor/DB returns the management Group Detail screen (NDVRM910) for the first selected group. Press Enter to delete the management group from the CCDB. To abort the request, press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n.

If you selected more than one group, each time you press Enter, CA-Endevor/DB returns detailed information for the next selected group, until all selections have been processed.

12.2.1.5 Browse Management Group/CCID Associations

Use this option to browse the CCIDs associated with one or more management groups, to review the CCIDs currently assigned to the groups. You can select one or more management group CCID associations for which you want to view related CCDB information.

To use this option, follow these steps:

1. Specify option 5 on the Management Group Functions screen (NDVRU900).
2. Identify the management group for which you want to review associated CCIDs. If you want to list management group/CCID associations for all groups defined to the CCDB, leave the management group name blank.

You can identify the CCID for which you want to review the management group/CCID associations. Leave the CCID name blank to display associations for all CCIDs.

3. Press Enter.

CA-Endevor/DB returns the Management Group/CCID List screen (NDVRU920), which shows the CCIDs currently associated with the requested management group.

You can select an association for which you want to see more detail; if you do, CA-Endevor/DB returns the Management Group/CCID Detail screen (NDVRM920) for the first selected association as well as current CCDB data for the associated management group and CCID. Each time you press Enter, CA-Endevor/DB returns detailed information for the next selected association, until all selected associations have displayed.

12.2.1.6 Add a Management Group/CCID Association

Use this option to associate a CCID with an existing management group, to categorize the CCID within the group. This does not change the data stored for either the CCID or the management group, but rather creates a junction between the two in the CCDB.

To use this option, follow these steps:

1. Specify option 6 on the Management Group Functions screen (NDVRU900).
2. Identify the management group under which you want to categorize the CCID. You can leave the name blank and supply in on the Detail screen.

Identify the CCID to be associated with the management group, or leave it blank if you want to supply it on the Detail screen.

3. Press Enter.

CA-Endevor/DB returns the Management Group/CCID Detail screen (NDVRU920), which contains the information for the management group and CCID supplied on the CCID Functions screen. If none were supplied, enter them on this screen.

4. Press Enter to join the management group and CCID.

12.2.1.7 Modify Management Group/CCID Associations

Use this option to modify the comments describing the association between one or more pairs of management groups and CCIDs, or to change the management group with which one or more CCIDs are associated.

To use this option, follow these steps:

1. Specify option 7 on the Management Group Functions screen (NDVRU900).
2. Identify the association you want to modify by entering the management group and CCID. Leave the management group name blank to list associations for all management groups defined to the CCDB (for the CCID specified). Leave the CCID name blank to list associations for all CCIDs (for the management group specified).

3. Press Enter.

CA-Endevor/DB returns the Management Group/CCID List screen (NDVRU920), which contains all associations that meet the specified criteria.

4. Select the association you want to modify.
5. Press Enter. CA-Endevor/DB returns the Management Group/CCID Detail screen (NDVRM920), which shows the management group and CCID detail for the first selected association.
6. Modify the comment information or change the management group name to associate the CCID with a different management group.

Press Enter. If you selected more than one association, CA-Endevor/DB returns the Detail screen for the next selected association each time you press Enter until each selection has been processed.

12.2.1.8 Delete Management Group/CCID Associations

Use this option to delete the association between one or more pairs of management groups and CCIDs. This does not change the data stored for the associated management group and CCID, but rather deletes the junction between the two.

You might use this function when a CCID is no longer categorized under a particular management group, to make it independent from the group.

To use this option, follow these steps:

1. Specify option 8 on the Management Group Functions screen (NDVRU900).

2. Identify the association you want to delete by entering the management group and CCID. Leave the management group name blank to list associations for all management groups defined to the CCDB (for the CCID if specified). Leave the CCID name blank to list associations for all CCIDs (for the management group if specified).
3. Press Enter.

CA-Endevor/DB returns the Management Group/CCID List screen (NDVRU920), which contains all associations that meet the specified criteria.
4. Select the association you want to delete.
5. Press Enter. CA-Endevor/DB returns the Management Group/CCID Detail screen (NDVRM920), which shows the management group and CCID detail for the first selected association.
6. Press Enter to delete the association between the management group and CCID. (To abort the request, press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n.)

If you selected more than one association, CA-Endevor/DB returns the Detail screen for the next selected association each time you press Enter until all requested management group/CCID associations have been processed.

12.3 Processing Screen Descriptions

This section describes the screens used for management group processing. The screens are presented by screen ID, in the order shown below:

Screen ID	Screen Name	Used by Options
NDVRU900	Management Group Functions	1, 2, 3, 4, 5, 6, 7, and 8
NDVRU910	Management Group List	1, 3, and 4
NDVRM910	Management Group Detail	1, 2, 3, and 4
NDVRU920	Management Group/CCID List	5, 7, and 8
NDVRM920	Management Group/CCID Detail	5, 6, 7, and 8

12.3.1 Management Group Functions Screen

Use the Management Group Functions screen to view and maintain management group definitions in the CCDB, and to view and maintain CCID relationships within those management groups. Enter the option desired and press Enter.

```

CA-E/DB 15.0 CAABF0      MANAGEMENT GROUP FUNCTIONS      06/02/97 NDVRU900
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR              MODE ==> UPDATE

OPTION ==>

  1 - BROWSE MANAGEMENT GROUPS          2 - ADD A MANAGEMENT GROUP
  3 - MODIFY MANAGEMENT GROUPS          4 - DELETE MANAGEMENT GROUPS
  5 - BROWSE MGRP/CCID ASSOCIATIONS      6 - ADD AN MGRP/CCID ASSOCIATION
  7 - MODIFY MGRP/CCID ASSOCIATIONS      8 - DELETE MGRP/CCID ASSOCIATIONS

MANAGEMENT GROUP ==>                                (IF OPTIONS 1 - 8 )
CCID              ==> EDB-QA                        (IF OPTIONS 5, 6, 7, 8 )

```

12.3.1.1 NDVRU900 Field Descriptions

The fields on the NDVRU900 screen are described below.

OPTION Number that specifies the subfunction desired.

Option	Used To
1	Browse the information stored in the CCDB for one or more management groups.
2	Add a new management group to the CCDB.

Option	Used To
3	Change the comments and/or name for one or more management groups defined in the CCDB (with the restriction that you can change the name only for management groups for which there are no associated CCIDs).
4	Delete one or more management groups from the CCDB (applicable to management groups for which there are no associated CCIDs).
5	Browse the CCIDs associated with one or more management groups.
6	Associate an existing CCID with a management group by creating a junction between the two in the CCDB.
7	Modify the comments describing the association between one or more management group/CCID pairs, or change the management group with which one or more CCIDs are associated.
8	Delete the association between one or more pairs of management groups and CCIDs by eliminating the junction between the two.

MANAGEMENT GROUP Name of the management group being processed. If specified, this must be the full management group name. Leave blank to request all management groups in the CCDB. Used by the Add and Add Association options (2 and 6) to prefill the Detail screen.

CCID Name of the CCID being processed. If specified, this must be the full CCID name. Leave blank to request all CCIDs in the CCDB. Used by the Add Association option (6) to prefill the Detail screen.

12.3.2 Management Group List Screen

The Management Group List screen is returned for options **1**, **3**, and **4** from the Management Group Functions screen, when you do not specify the management group being processed. It displays all management groups defined to the CCDB.

Use this screen to select the management groups to be processed. Place any character in the left-most column next to each desired management group, then press Enter.

```

CA-E/DB 15.0 CAABF0      MANAGEMENT GROUP LIST      06/02/97 NDVRU910
USER ==> EDBADMIN      DICTNAME ==> SRCNDVR      MODE ==> UPDATE

ACTION ==> BROWSE
MANAGEMENT GROUP      COMMENT
EDB150BETA      MANAGEMENT GROUP FOR BETA
7 FIN SYSTEMS DEV      FINANCIAL SYSTEMS MIS DEVELOPMENT
- MFG SYSTEMS DEV      MANUFACTURING SYSTEMS DEVELOPMENT
  **      END      **

```


12.3.2.1 NDVRU910 Field Descriptions

The fields on the NDVRU910 screen are described below.

ACTION Description of the current processing function: BROWSE, MODIFY, or DELETE.

Field	Description
(no title)	Field used to select a management group for further detailed processing. Enter any non-blank character in this column next to each management group you want to process.

MANAGEMENT GROUP Display only. Name of the management group.

COMMENT Display only. User-defined comments associated with the management group in the CCDB.

12.3.3 Management Group Detail Screen

The Management Group Detail screen is returned for options **1-4**. For options **1, 3**, and **4**, it is returned directly from the Management Group Functions screen, if you filled in the management group name on that screen; or from the Management Group List screen (NDVRU910), once you select a management group for detailed processing. In this case, it displays detailed CCDB information for the management group. For option **2** (add), the Management Group Detail screen is returned directly from the Management Group Functions screen, and is prefilled with the management group name, if that name was supplied on the screen.

```

CA-E/DB 15.0 CAABF0      MANAGEMENT GROUP DETAIL      06/02/97 NDVRM910
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR          MODE ==> UPDATE

ACTION ==> BROWSE
***** MANAGEMENT GROUP INFORMATION *****
NAME      ==> FIN SYSTEMS DEV
COMMENT   ==> FINANCIAL SYSTEMS MIS DEVELOPMENT

```

The use of this screen varies by option:

Option	Screen Use
1	Browse (display) only
2	Fill in the management group name, as necessary to identify the new management group uniquely. Add any comments desired.
3	Modify comments or change the management group name.

Option	Screen Use
4	Display and then delete a management group.

For options **2** and **3**, press Enter to add/modify the management group information.
 For option **4**, press Enter to delete the management group. (Press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n to abort the delete request.)

12.3.3.1 NDVRM910 Field Descriptions

The fields on the NDVRM910 screen are described below.

ACTION Description of the current processing function: BROWSE, ADD, MODIFY, or DELETE.

MANAGEMENT GROUP INFORMATION Detailed information about the displayed management group.

Field	Description
Name	Name of the management group.
Comment	User-defined comments associated with the management group.

12.3.4 Management Group/CCID List Screen

The Management Group/CCID List screen is returned for options **5**, **7**, and **8** from the Management Group Functions screen, and displays all association management groups and CCIDs requested.

Use this screen to view the information displayed and, optionally, to request the Management Group/CCID Detail screen (NDVRM920) for a particular management group/CCID association. To request the Detail screen, place any character in the left-most column next to each entry for which detail is desired, then press Enter.

CA-E/DB 15.0 CAABF0		MANAGEMENT GROUP/CCID LIST		06/02/97	NDVRU920
USER ==> EDBADMIN		DICTNAME ==> SRCNDVR		MODE ==> UPDATE	
ACTION ==> BROWSE					
	MANAGEMENT GROUP	CCID	LOCK		
	EDB150BETA	EDB-DEVELOP	N		
-	EDB150BETA	EDB-SUPPORT	N		
	EDB150BETA	EDB-QA	N		
7	FIN SYSTEMS DEV	PAYROLL	N		
-	MFG SYSTEMS DEV	MATERIALS	N		
-	MFG SYSTEMS DEV	INVENTORY	N		
	**	END	**		

12.3.4.1 NDVRU920 Field Descriptions

The fields on the NDVRU920 screen are described below.

ACTION Description of the current processing function: BROWSE, MODIFY, or DELETE.

Field	Description
(no title)	Field used to select a management group/CCID associations for further detailed display. Enter any non-blank character in this column next to each Change Log Entry you want to process.

MANAGEMENT GROUP Display only. Management group with which the displayed CCID is associated.

CCID Display only. CCID associated with the management group.

LOCK Display only. The lock flag. If **Y**, the CCID is locked and you cannot sign on under that CCID.

12.3.5 Management Group/CCID Detail Screen

This screen is returned for options **5-8**.

For options **5, 7, and 8**, it is returned from the Management Group/CCID List screen (NDVRU920), once you select a management group/CCID association for detailed processing. In this case, it displays detailed information for the requested management group and CCID, and comments describing the association between the two.

Note: The information is current, and may not be the same as the information stored in the CCDB at the time the management group and the CCID were first associated.

For option **6** (Add Association), this screen is returned directly from the Management Group Function screen, and is prefilled with as much information as possible based on the management group and CCID names supplied.

```

CA-E/DB 15.0 CAABF0      MANAGEMENT GROUP/CCID DETAIL      06/02/97 NDVRM920
USER ==> EDBADMIN        DICTNAME ==> SRCNDVR             MODE ==> UPDATE

ACTION ==> BROWSE
***** MANAGEMENT GROUP INFORMATION *****
NAME ==> FIN SYSTEMS DEV
COMMENT ==> FINANCIAL SYSTEMS MIS DEVELOPMENT
***** ASSOCIATION INFORMATION *****
COMMENT ==>
***** CCID INFORMATION *****
NAME ==> PAYROLL          SECURITY CLASS ==> NDVR-GLOBAL      LOCKED ==> N
COMMENT ==> PAYROLL APPLICATIONS

```

The use of this screen varies by option:

Option	Screen Use
5	Browse (display) only.
6	Display the management group and CCID requested -- or fill in the management group name and CCID name to identify the management group and CCID -- and associate the two in the CCDB.
7	Modify comments describing the management group/CCID association, change the management group with which a CCID is associated, or change the CCID with which a management group is associated.
8	Display the management group and CCID requested, and then delete the association between the two.

For option **7**, press Enter to update the CCDB. For options **6** and **8**, press Enter to add/delete the management group/CCID association. To abort the delete-association request, press PF3, press CLEAR, clear the ACTION field, or replace the ACTION field with =n.

12.3.5.1 NDVRM920 Field Descriptions

The fields on the NDVRM920 screen are described below.

ACTION Description of the current processing function: BROWSE, ADD, MODIFY, or DELETE.

MANAGEMENT GROUP INFORMATION Detailed information about the management group associated (or to be associated) with the displayed CCID.

Field	Description
Name	Name of the management group.
Comment	Display only. User-defined comments associated with the management group.

ASSOCIATION INFORMATION User-defined comments describing the relationship between the management group and the CCID.

CCID INFORMATION Detailed information about the CCID associated (or to be associated) with the management group.

Field	Description
Name	Name of the CCID.
Security Class	Display only. Security class for the CCID.

Field	Description
Locked	Display only. The lock flag. If Y , the CCID is locked and you cannot sign on under that CCID.
Comment	User-defined comments associated with the CCID.

Chapter 13. Batch Compilers

13.1 Description

When running batch compilers through CA-IDMS, the CA-Endevor/DB Dynamic Change Monitor captures updates to the dictionary and interfaces with the CCDB in a manner similar to the online compilers. All updates to the dictionary will be authorized against and logged to the appropriate CCDB by the Change Monitor.

All CA-IDMS batch processing runs under an assigned userid. The user ID is obtained from the originating interactive sessions (TSO, CICS) or from the batch job (JOB card USER parameter).

When CA-Endevor/DB is used to monitor dictionary changes by any of these means, it will automatically determine the userid, and attribute the dictionary changes to that userid. Thus, you can run batch jobs that execute CA-IDMS dictionary utilities (IDMSDDDL, etc.) using your existing JCL; dictionary updates are then attributed to your batch userid.

While automatic usage of your batch user ID is often useful, it is inappropriate in the following situations:

- Your site uses CA-Endevor/DB passwords.
- You switch from one set of CCIDs to another.
- You are running a CA-IDMS dictionary utilities and CA-Endevor/DB migration tools (NDVRDSEL, NDVRDLVR, etc.) during an application migration.
- Your site uses CA-IDMS userids that are not identical to batch userids.

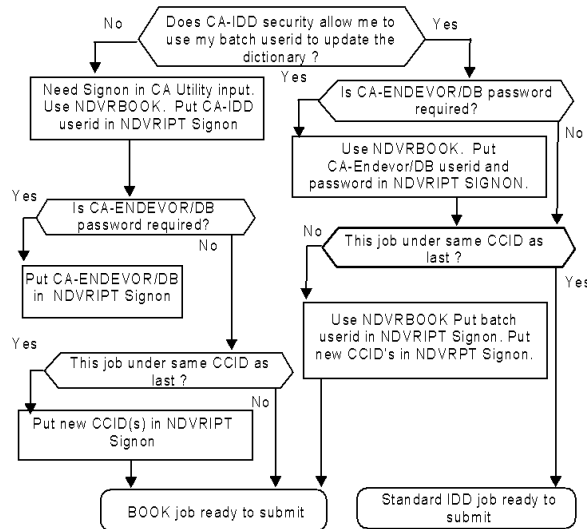
For the preceding cases, a utility program named NDVRBOOK is supplied with CA-Endevor/DB to perform a CA-Endevor/DB sign on (complete with password and/or CCIDs) and then invoke a dictionary utility. It is also used to identify dictionary updates (resulting from dictionary utilities) as part of a migration.

13.2 Batch Submit Procedure

When you construct a batch dictionary update job, you can either:

- Use the JCL described in the appropriate CA-IDMS utility manual, or
- Use modified "NDVRBOOK" JCL.

Your decision is illustrated in the following diagram:



NDVRBOOK will accept a Signon command and pass it to the Change Monitor. It will then internally invoke the appropriate compiler or program. Subsequently, when the Change Monitor encounters updates by the compiler or program executed within NDVRBOOK, it associates the updates with the userid and CCIDs from the CA-Endevor/DB Signon. If the user's security class specifies Derived CCID processing, CCIDs are associated with the update through the use of preauthorization junctions between the entity being updated and the derived CCIDs. If the user's security class does not specify Derived CCID processing, the CCIDs entered in the user's SIGNON command will be associated with the update. Refer to the *CA-Endevor/DB Administrator Guide* for more information.

13.3 JCL and NDVRBOOK Syntax

Sample JCL for executing a batch compiler with a CA-Endevor/DB Signon follows. If no CA-Endevor/DB CCIDs or userids are required, this procedure is optional.

```
//JOBNAME      JOB YOUR.JOBCARD.INFORMATION
//JOBLIB       DD DISP=SHR,DSN=usercv.loadlib
//            DD DISP=SHR,DSN=ndvrdb.loadlib
//            DD DISP=SHR,DSN=idms.loadlib
//*
//*****
//*
//*   JOB:      SAMPBOOK
//*
//*   PURPOSE:  RUN ANY CA COMPILER WITH CA-ENDEVOR/DB USER/CCID SIGNON.
//*
//*   STEP:     FUNCTION:
//*   =====
//*
//*   BOOKDDDL      RUNS IDMSDDDL UNDER CA-ENDEVOR/DB BOOK-END.
//*   (CHANGE PROGRAM SENTENCE TO RUN OTHER COMPILERS)
//*
//*****
//*
//BOOKDDDL     EXEC PGM=NDVRBOOK,REGION=1300K
//SYSCTL       DD DISP=SHR,DSN=idms.sysctl
//NDVRLST      DD SYSOUT=*
//NDVRERR      DD SYSOUT=*
//SYSLST       DD SYSOUT=*
//SYSUDUMP     DD DUMMY
//SYSPCH       DD DUMMY
//SYSIDMS      DD *
DMCL=dmcl-name
DICTNAME=dictionary-name
Other Optional SYSIDMS Parameters
/*
//NDVRIPT      DD *

SIGNON

USER = youruserid PASSWORD = yourpswd

DICTNAME userdict.

PROGRAM = IDMSDDDL.
/*
//SYSIPT       DD *

SIGNON

USER = idduserid PASSWORD = iddpswd

DICTNAME userdict.
** PUT YOUR IDMSDDDL STATEMENTS HERE. **
/*
```

Field	Description
usercv.loadlib	Load library for DMCL, subschema, DBNAME table, or load modules for a particular CA-IDMS platform.
ndvrdb.loadlib	CA-Endevor/DB load library.
idms.loadlib	CA-IDMS load library.
edbuserid	CA-Endevor/DB userid.
edbpswd	CA-Endevor/DB password.
userdict	Name of dictionary to which you are signing on.
idms.sysctl	Name of the SYSCTL file as defined in the CA-IDMS SYSGEN.
dmcl-name	Name of the DMCL used by CA-IDMS/CV
idduserid	CA-IDD userid.
iddpswd	CA-IDD password.
progrname	Program name of the compiler to execute (IDMSDDDL, RHDCMPUT, etc.). NDVRBOOK will internally invoke the compiler when the CA-Endevor/DB Signon is completed.

Caution! *Be careful when running in local mode to ensure that the dictionary and the CCDB are restored following an abend. For this reason, it is highly recommended that CV mode be used whenever possible.*

Chapter 14. Reporting

14.1 CCDB Reporting

The CA-Endevor/DB Change Monitor creates an audit trail of all dictionary updates in the CCBD associated with any dictionary that has monitoring active. Extensive reporting is supplied in both batch and online modes. This chapter contains instructions for using the batch reporting facilities.

You can think of change log entries as a sequential log of all updates made to a dictionary. These log records are always associated with a dictionary and an entity occurrence. Optionally, they can be associated with a CCID, a user ID, or both. Batch reports are available to display the Change Log by Dictionary, User, or CCID, in both summarized and detailed forms.

Reporting modules are provided for the following CCDB entities:

- User
- Status
- Management group
- Security class
- CCID

See Appendix A for a complete display of the available reports.

14.2 CA-CULPRIT Modules

The following CA-CULPRIT reporting modules are supplied with the CA-Endevor/DB system:

- Common
- Input
- Output

14.2.1.1 Common Modules

Module Name	Description
NDVRPT100	CA-Endevor/DB global fields. This module must be copied into all reports.
NDVRNAME	A module that contains the company name. This name appears on all reports. The delivered module contains the following: ***PUT YOUR COMPANY NAME HERE*** Modify the module to reflect the name you wish to appear in all reports.

14.2.1.2 Input Modules

Module Name	Description
=COPY NDVRRCLG	Change-Log records input module
=COPY NDVRRCCI	CCID records input module
=COPY NDVRRUSR	User records input module
=COPY NDVRRSTA	Status records input module
=COPY NDVRRMGP	MANAGEMENT-GROUP records input module
=COPY NDVRRCLS	CCID/Entity/Status records input module
=COPY NDVRRSGN	SIGNIN/SIGNOUT records input module
=COPY NDVRRMGC	MGR/CCID relationships input module

14.2.1.3 Output Modules

Module Name	Description
NDVRPT01	Chronological Change Log Detail Report
NDVRPT02	User Change Log Detail Report
NDVRPT03	CCID Change Log Detail Report
NDVRPT04	Entity Change Log Detail Report
NDVRPT05	CCID Change Log Summary Report
NDVRPT06	CCID List
NDVRPT07	User Change Log Summary Report
NDVRPT08	User List
NDVRPT09	Status List
NDVRPT10	Management Group List
NDVRPT11	Entity Change Log Summary - broken down by CCID
NDVRPT12	Entity Change Log Summary Report
NDVRPT13	CCID/Entity Change and Status Summary Report
NDVRPT14	Entity Status History Report
NDVRPT15	Post Migration Activity Report
NDVRPT16	Source Migration Summary Report
NDVRPT17	Target Migration Summary Report
NDVRPT18	Entity Signout Detail Report
NDVRPT19	Entity Signout by User
NDVRPT20	Entity Signout by CCID
NDVRPT21	User List - by Security Class
NDVRPT22	CCID List - by Security Class
NDVRPT23	CCID List - by Management Group
NDVRPT24	Entity Change Log Summary - by User
NDVRPT25	Preauthorization Detail Report
NDVRPT26	Preauthorization Detail Report - by User
NDVRPT27	Preauthorization Detail Report - by CCID
NDVRPT90	Chronological Change Log Detail Output File

14.3.1.1 Legend

Field	Description
<i>dbname</i>	DBNAME of the CCDB to report against. This parameter can be omitted for the primary dictionary. Optional.
<i>system</i>	System Identifier of the CCDB to report against. Optional.
DATABASE	For Group 1 reports (See below), specify DATABASE to report against the current CCDB contents. DATABASE is the default.
ARCHIVE	For Group 1 reports (See below), specify ARCHIVE to report only against Change Log Entry files created by NDVRARCO (CA-Endevor/DB archive/compress utility) or NDVRPT90 (CA-Endevor/DB machine-readable report output).
BOTH	For Group 1 reports (See below), specify BOTH to run reports against the current database and output from prior NDVRPT90 and/or NDVRARCO runs together. The CA-Endevor/DB input module will read the archived files after processing the database.

Note: When BOTH or ARCHIVE are specified, a SYS011 DD statement must be included for input. See sample JCL below.

14.3.2 Report Groups

CA-Endevor/DB reports are broken into eight general groups. Group 1 reports are all related to Change Log Activity, and can be run against the CCDB directly or from sequential Change Log Entry files created by CA-Endevor/DB utilities. Report Groups 2-8 are lists of major CCDB entities.

Report Group	Allowed Input Command	Input Module	Output Module
1	DATABASE ARCHIVE BOTH	=COPY NDVRRCLG	=COPY NDVRPT01 =COPY NDVRPT02 =COPY NDVRPT03 =COPY NDVRPT04 =COPY NDVRPT05 =COPY NDVRPT07 =COPY NDVRPT11 =COPY NDVRPT12 =COPY NDVRPT14 =COPY NDVRPT15 =COPY NDVRPT16 =COPY NDVRPT17 =COPY NDVRPT24 =COPY NDVRPT90
2	DATABASE	=COPY NDVRRCCI	=COPY NDVRPT06 =COPY NDVRPT22
3	DATABASE	=COPY NDVRRUSR	=COPY NDVRPT08 =COPY NDVRPT21

Report Group	Allowed Input Command	Input Module	Output Module
4	DATABASE	=COPY NDVRRSTA	=COPY NDVRPT09
5	DATABASE	=COPY NDVRRMGP	=COPY NDVRPT10
6	DATABASE	=COPY NDVRRCSL	=COPY NDVRPT13
7	DATABASE	=COPY NDVRRSGN	=COPY NDVRPT18 =COPY NDVRPT19 =COPY NDVRPT20 =COPY NDVRPT25 =COPY NDVRPT26 =COPY NDVRPT27
8	DATABASE	=COPY NDVRRMGC	=COPY NDVRPT23

14.3.3 Selection Criteria

Reports will display all records in the CCDB unless additional selection criteria are given to limit the volume. Selection criteria are specified in the SYSIN data set according to standard CA-CULPRIT conventions. Commonly used selection criteria are outlined below. Additionally, any field in the database may be used as a selector. Appendix B contains the record layout used by CA-Endevor/DB reports.

Criteria	Description
LOG-DATE	Date of change log entries. Rules: <ul style="list-style-type: none"> ■ Specified as <code>yyyymmdd</code> ■ Must not be surrounded by single quotes Example: LOG-DATE GT 19861201
ENTITY-NAME	Name of entity in change log entries. Rules: <ul style="list-style-type: none"> ■ 1-40 character name ■ Must be surrounded by single quotes Example: ENTITY-NAME EQ 'ADSO-STAT'
ENTITY-VERSION	Version of entity in change log entries. Rules: <ul style="list-style-type: none"> ■ 4-digit number 0-9999 ■ Must not be surrounded by single quotes Example: ENTITY-VERSION NE 1

Criteria	Description
USER	User name in change log entries. Rules: <ul style="list-style-type: none"> ■ 1-32 character name ■ Must be surrounded by single quotes Example: USER EQ 'JONES'
ACTION	Action in change log entries. Rules: <ul style="list-style-type: none"> ■ 1-character code: A, M, D, R, S, T, P, C (add, modify, delete, status, reset status set, status terminate, purged, and compressed) ■ Must be surrounded by single quotes Example: ACTION EQ 'D'

14.3.4 Selection Criteria Coding Rules

The following is a listing of selection criteria coding rules:

- SEL statement must occur after the last output module specified (See JCL below) in the input stream.
- SEL must be coded in column 2.
- The phrase WHEN must follow the word SEL (i.e., SEL WHEN).
- Selection parameters can immediately follow the selection phrase (i.e., SEL WHEN USER EQ 'JONES').
- Boolean logic for selection criteria is supported as follows:
 - LT -- Less than
 - LE -- Less than or equal
 - GT -- Greater than
 - GE -- Greater than or equal
 - NE -- Not equal to
 - EQ -- Equal to
 - AND -- And
 - OR -- Or
- To continue a selection request to multiple lines, place an "*" in column 1 of the second, third, and subsequent selection cards.
- Once the SEL has been coded in column 2, the coding of all subsequent selection criteria is free-form.

14.3.5 Creating an Archive of Change Log Entries

CA-Endevor/DB module NDVRPT90 creates a machine-readable sequential output file consisting of Change Log Entries formatted as described in Appendix B. Change Log Entries archived through NDVRPT90 are not deleted from the CCDB. To archive as well as delete from the CCDB, the NDVRARCO utility should be run by the CCDB administrator. When running the NDVRPT90 module, archived Change Log Entries will be placed in the SYS020 file during Step 2 of the CA-CULPRIT run. See sample JCL below.

14.3.6 Using an Archive of Change Log Entries

All CA-Endevor/DB Group I reports are capable of reading the current CCDB or sequential Change Log Entry files created by NDVRARCO or NDVRPT90. To include previously archived output in reports, include an 'INPUT IS ARCHIVE' or 'INPUT IS BOTH' clause in the SYS010 file in CA-CULPRIT Step 2.

14.3.7 Coding Examples

Example 1 To select all Change Log Entries between December 30, 1986 and January 5, 1987 from the CCDB for the primary dictionary, specify the following input to CA-CULPRIT Step 1:

```
//SYSIN      DD  *
=COPY NDVRPT00
=COPY NDVRNAME
=COPY NDVRRCLG
=COPY NDVRPT01
  SEL WHEN LOG-DATE GE 19861230 AND
*          LOG-DATE LE 19870115
```

Example 2 To request a report showing the Change Log Entries created by 'JONES' since November 15, 1986 in a secondary dictionary named NTSTDICT, specify the following input:

In Step 1:

```
//SYSIN      DD  *
=COPY NDVRPT00
=COPY NDVRNAME
=COPY NDVRRCLG
=COPY NDVRPT02
  SEL WHEN USER EQ 'JONES' AND
*          LOG -DATE GE 19861115
```

In Step 2:

```
//SYS010     DD  *
          DBNAME = NTSTDICT
```

Example 3 To detect archive Change Log Entries older than November 1, 1986 from a dictionary named NTSTDICT, specify:

In Step 1:

```
//SYSIN      DD  *
=COPY NDVRPT00
=COPY NDVRNAME
=COPY NDVRRCLG
=COPY NDVRPT90
SEL WHEN LOG-DATE LT 19861101
```

In Step 2:

```
//SYS010     DD  *
           DBNAME IS NTSTDICT
//SYS020 DD    DSN=OLD.CLE.ARCHIVE,DISP=(OLD,KEEP)
```

Example 4 To report against an archived change log for any dictionary:

In Step 1:

```
//SYSIN      DD  *
=COPY NDVRPT00
=COPY NDVRNAME
=COPY NDVRRCLG
=COPY NDVRPT04
```

In Step 2:

```
//SYS010     DD  *
           INPUT IS ARCHIVE
//SYS011     DD    DSN=OLD.CLE.ARCHIVE,DISP=OLD
```

14.3.8 Sample JCL

The example below illustrates multiple-step CA-CULPRIT execution. When using one-step CA-CULPRIT, the ddnames SYS010, SYS011, and/or SYS020 are added to the single step as required.

```

//JOBNAME      JOB YOUR.JOBCARD.INFORMATION
//JOB LIB      DD      DISP=SHR,DSN=usercv.loadlib
//      DD      DISP=SHR,DSN=ndvrdb.loadlib
//      DD      DISP=SHR,DSN=idms.loadlib
//*
//*****
//*      CA-ENDEVOR/DB CULPRIT REPORTS      *
//*****
//*
//CULP0        EXEC PGM=CULP0,REGION=2048K
//SYSCTL       DD      DISP=SHR,DSN=idms.sysctl
//CULLIB       DD      DISP=SHR,DSN=ndvrdb.src lib
//SYS004       DD      SYSOUT=*,DCB=(RECFM=FBA,LRECL=133,BLKSIZE=133)
//SYS005       DD      DSN=&&UPRMWORK,
//      DISP=(NEW,PASS),UNIT=disk,
//      DCB=(RECFM=FB,LRECL=320,BLKSIZE=1600),
//      SPACE=(CYC,(2,1),RLSE,,ROUND)
//SYSDUMP      DD      SYSOUT=*
//SYSIDMS      DD      *
DMCL=dmcl-name
DICTNAME=dictionary-name
OTHER OPTIONAL SYSIDMS PARAMETERS
/*
//SYSIN        DD      *
=COPY NDVRPT00
=COPY NDVRNAME
=COPY NDVRRxxx
=COPY NDVRPTnn
/*

```

```

//*
//CULP1      EXEC PGM=SORT,PARM='MSG=AP',REGION=2048K
//SORTLIB    DD      DSN=sortlib
//SYSIN      DD      SHR,DSN=idms.src1ib(SORT1)
//SORTIN     DD      DISP=(OLD,DELETE),DSN=&&UPRMWORK
//SORTWK01   DD      DSN=&&WRKAWORK,UNIT=disk,
//            SPACE=(CYL,(2,1),RLSE,,ROUND)
//SORTWK02   DD      DSN=&&WRKBWORK,UNIT=disk,
//            SPACE=(CYL,(2,1),RLSE,,ROUND)
//SORTWK03   DD      DSN=&&WRKCWORK,UNIT=disk,
//            SPACE=(CYL,(2,1),RLSE,,ROUND)
//SORTWK04   DD      DSN=&&WRKDWORK,UNIT=disk,
//            SPACE=(CYL,(2,1),RLSE,,ROUND)
//SORTOUT    DD      DSN=&&SPRMWORK,
//            DISP=(NEW,PASS),UNIT=disk,
//            DCB=(RECFM=F,LRECL=320,BLKSIZE=320),
//            SPACE=(CYL,(2,1),RLSE,,ROUND)
//SYSDUMP    DD      SYSOUT=*
//SYSOUT     DD      SYSOUT=*
//SYSPRINT   DD      SYSOUT=*
//*
//CULP2      EXEC PGM=CULL,REGION=2048K
//SYSCTL     DD      DISP=SHR,DSN=idms.sysctl
//SYS004     DD      SYSOUT=*,DCB=(RECFM=FBA,LRECL=133,BLKSIZE=133)
//SYS005     DD      DISP=(OLD,DELETE),DSN=&&SPRMWORK
//SYS006     DD      DSN=&&UEXTWORK,
//            DISP=(NEW,PASS),UNIT=disk,
//            DCB=(RECFM=VB,LRECL=1024,BLKSIZE=1028),
//            SPACE=(CYL,(2,1),RLSE,,ROUND)
//SYS008     DD      DSN=&&NSRTWORK,
//            DISP=(NEW,PASS),UNIT=disk,
//            DCB=(RECFM=VB,LRECL=1024,BLKSIZE=1028),
//            SPACE=(CYL,(2,1),RLSE,,ROUND)
//SYS007     DD      DSN=&&SRTPWORK,
//            DISP=(NEW,PASS),UNIT=disk,
//            DCB=(RECFM=F,LRECL=80,BLKSIZE=80),
//            SPACE=(CYL,(2,1),RLSE,,ROUND)
//SYS011     DD      DSN=indsn,DISP=OLD          ARCHIVE INPUT FILE
//SYS020     DD      DSN=outdsn,DISP=(NEW,KEEP), ARCHIVE OUTPUT FILE
//            DCB=(LRECL=288,BLKSIZE=14400,RECFM=FB),
//            UNIT=tape
//SYSDUMP    DD      SYSOUT=*
//SYSPRINT   DD      SYSOUT=*
//SYSIDMS    DD      *
DMCL=dmcl-name
DICTNAME=dictionary-name
OTHER OPTIONAL SYSIDMS PARAMETERS

```



```

/*
//SYS010      DD      *
      DBNAME IS DBNAME
      INPUT IS BOTH
/*
//*
//CULP3      EXEC PGM=SORT,PARM='MSG=AP',REGION=2048K
//SORTLIB    DD      DSN=sortlib,DISP=SHR
//SYSIN      DD      DSN=&&SRTPWORK,DISP=(OLD,DELETE)
//SORTIN     DD      DSN=&&UEXTWORK,DISP=(OLD,DELETE)
//SORTWK01   DD      DSN=&&WRKAWORK,UNIT=disk,
//           SPACE=(CYL,(2,1),RLSE,,ROUND)
//SORTWK02   DD      DSN=&&WRKBWORK,UNIT=disk,
//           SPACE=(CYL,(2,1),RLSE,,ROUND)
//SORTWK03   DD      DSN=&&WRKCWORK,UNIT=disk,
//           SPACE=(CYL,(2,1),RLSE,,ROUND)
//SORTWK04   DD      DSN=&&WRKDWORK,UNIT=disk,
//           SPACE=(CYL,(2,1),RLSE,,ROUND)
//SORTOUT    DD      DSN=&&SEXTWORK,
//           DISP=(NEW,PASS),UNIT=disk,
//           DCB=(RECFM=VB,LRECL=1024,BLKSIZE=1028),
//           SPACE=(CYL,(2,1),RLSE,,ROUND)
//SYSOUT     DD      SYSOUT=*
//SYSPRINT   DD      SYSOUT=*
//*
//CULP4      EXEC PGM=CULE,REGION=2048K
//SYS004     DD      SYSOUT=*,DCB=(RECFM=FBA,LRECL=133,BLKSIZE=133)
//SYS006     DD      DISP=(OLD,DELETE),DSN=&&SEXTWORK
//SYS008     DD      DSN=&&NSRTWORK,DISP=(OLD,DELETE)
//SYS020     DD      DSN=&&RPT99,DISP=(NEW,PASS),UNIT=disk,
//           SPACE=(CYL,(1,1))
//SYSJRNL    DD      DUMMY
//J1JRNL     DD      DUMMY
//J2JRNL     DD      DUMMY
//J3JRNL     DD      DUMMY
//SYSIN4     DD      DUMMY,DCB=BLKSIZE=80

```

14.3.8.1 Legend

Field	Description
usercv.loadlib	Load library for DMCL, subschema, DBNAME table, or load modules for a particular CA-IDMS/CV platform.
ndvrdb.loadlib	CA-Endevor/DB load library.
idms.loadlib	CA-IDMS load library.
idms.sysctl	Name of the SYSCTL file as defined in the CA-IDMS system generation.
dmcl-name	Name of the DMCL used by CA-IDMS/CV.
dictname-name	CCDB dictname whose contents are to be reported.
sortlib	Name of your sort package load library.

Field	Description
idms.srclib	Name of the CA-IDMS install source library
ndvrdb.srclib	Source library containing CA-Endevor/DB install library containing the CA-CULPRIT source modules.
disk	Installation unit name for temporary disk space.
indsn	Data set name for an input sequential archive file.
outdsn	Data set name for an output sequential archive file.
NDVRRxxx	Input module name
NDVRPTnn	Output module name

Appendix A. Report Formats

A.1 Report No. 00: Reporting Commands and Messages

CAABF0
RELEASE 15.0

COMPUTER ASSOCIATES INTERNATIONAL, INC.
C A - E N D E V O R / D B
REPORTING COMMANDS AND MESSAGES

DATE	TIME	PAGE
03/13/97	12:30:49	0001

DBNAME IS SRCNDVR
INPUT IS DATABASE

A.2 Report No. 01: Change Log Detail

This report contains one line for each IDD or CCDB entity change made. Change Log Entries are displayed in chronological order with any associated CCIDs or USERIDs.

REPORT NO. 01			COMPUTER ASSOCIATES INTERNATIONAL, INC.				01/20/97 PAGE 1		
CA-ENDEVOR/DB 15.0 CAABF0			CHANGE LOG DETAIL REPORT						
			** PUT YOUR COMPANY NAME HERE **						
CHANGE LOG FOR DICTIONARY: SRCNDVR			SYSTEM: SYSTEM74						
DATE ---	TIME ---	ACTION -----	ENTITY TYPE ----	ENTITY IDENTIFICATION -----		VERSION	USER ---	CCID -----	
10/14/96	07:51:55	O (SIGNOUT)	MODULE	NDVRPT01		1	DBADMIN		
			SIGNED TO:	DBADMIN					
10/14/96	07:51:56	O (SIGNOUT)	MODULE	NDVRPT02		1	DBADMIN		
			SIGNED TO:	DBADMIN					
10/24/96	09:31:50	M (COMPRESSED)	DICTIONARY	SRCNDVR		1	DBADMIN		
10/24/96	13:44:08	P (ARCO STATS)	DATE: 10/22/96	TIME: 06:44:01	#CLE: 00000003	1	DBADMIN		
			DICTIONARY	SRCNDVR					
			ARCH:	COMP:	#ADD: 1	#DEL: 1	0	#OUT: 0	
11/08/96	14:18:01	A (ADD)	ELEMENT	EDB-ELEM-1		1	DBADMIN		
			UPDATE PROGRAM:	IDMSDDDL					
11/08/96	14:18:01	A (ADD)	ELEMENT	EDB-ELEM-2		1	DBADMIN		
			UPDATE PROGRAM:	IDMSDDDL					
11/08/96	14:18:01	A (ADD)	RECORD	EDB-REC		1	DBADMIN		
			UPDATE PROGRAM:	IDMSDDDL					
11/09/96	06:33:14	C (MIGR AUDIT)	ELEMENT	EDB-ELEM-1		1	DBADMIN		
			DATE: 12/18/96	TIME: 07:36:51	DICT: TGTNDVR	NODE: SYSTEM74			
11/09/96	06:33:14	C (MIGR AUDIT)	ELEMENT	EDB-ELEM-2		1	DBADMIN		
			DATE: 12/18/96	TIME: 07:36:51	DICT: TGTNDVR	NODE: SYSTEM74			
11/09/96	06:33:14	C (MIGR AUDIT)	RECORD	EDB-REC		1	DBADMIN		
			DATE: 12/18/96	TIME: 07:36:51	DICT: TGTNDVR	NODE: SYSTEM74			

A.3 Report No. 02: User Change Log Detail

This report contains one line for each IDD or CCDB entity update made. Change Log Entries are displayed in user and chronological sequence with any associated CCIDs.

REPORT NO. 02 CA-ENDEVOR/DB 15.0 CAABF0			COMPUTER ASSOCIATES INTERNATIONAL INC. USER CHANGE LOG DETAIL REPORT ** PUT YOUR COMPANY NAME HERE **					01/20/97 PAGE 1	
CHANGES MADE BY USER: DBADMIN									
DATE ---	TIME ---	ACTION -----	ENTITY TYPE ----	ENTITY IDENTIFICATION -----			VERSION	CCID -----	DICT --- SYSTEM--
10/14/96	07:51:55	O (SIGNOUT)	MODULE	NDVRPT01			1		SRCNDVR SYSTEM74
			SIGNED TO:	DBADMIN					
10/14/96	07:51:56	O (SIGNOUT)	MODULE	NDVRPT02			1		SRCNDVR SYSTEM74
			SIGNED TO:	DBADMIN					
10/14/96	07:51:56	O (SIGNOUT)	MODULE	NDVRPT03			1		SRCNDVR SYSTEM74
			SIGNED TO:	DBADMIN					
10/14/96	07:51:56	O (SIGNOUT)	MODULE	NDVRPT04			1		SRCNDVR SYSTEM74
			SIGNED TO:	EDB-DEVELOP					
10/14/96	07:51:56	O (SIGNOUT)	MODULE	NDVRPT05			1		SRCNDVR SYSTEM74
			SIGNED TO:	EDB-DEVELOP					
10/24/96	09:31:50	M (COMPRESSED)	DICTIONARY	SRCNDVR			1		SRCNDVR SYSTEM74
			DATE: 10/22/96	TIME: 06:44:01					
10/24/96	13:44:08	P (ARCO STATS)	DICTIONARY	SRCNDVR			1		SRCNDVR SYSTEM74
			ARCH:	COMP: #ADD: 1			#DEL: 1	0	#OUT: 0
10/24/96	14:28:26	P (ARCO STATS)	DICTIONARY	SRCNDVR			1		SRCNDVR SYSTEM74
			ARCH:	COMP: #ADD: 1			#DEL: 1	0	#OUT: 0
10/25/96	06:01:47	D (COMPRESSED)	CCID	EDB150			1		SRCNDVR SYSTEM74
			DATE: 10/22/96	TIME: 06:43:57					
10/25/96	06:01:48	M (COMPRESSED)	DICTIONARY	SRCNDVR			1		SRCNDVR SYSTEM74
			DATE: 10/25/96	TIME: 05:28:31					
10/25/96	06:01:52	M (COMPRESSED)	CCID	EDB-DEVELOP			1		SRCNDVR SYSTEM74
			DATE: 10/25/96	TIME: 04:57:06					
11/08/96	14:18:01	A (ADD)	ELEMENT	EDB-ELEM-1			1		SRCNDVR SYSTEM74
			UPDATE PROGRAM:	IDMSDDL					
11/08/96	14:18:01	A (ADD)	ELEMENT	EDB-ELEM-2			1		SRCNDVR SYSTEM74
			UPDATE PROGRAM:	IDMSDDL					
11/08/96	14:18:01	A (ADD)	RECORD	EDB-REC			1		SRCNDVR SYSTEM74

A.4 Report No. 03: CCID Change Log Detail

This report contains one line for each IDD or CCDB entity update made under a given CCID. Change Log Entries are displayed in entity name, user, and chronological sequence with any associated USERID.

REPORT NO. 03 CA-ENDEVOR/DB 15.0 CAABF0			COMPUTER ASSOCIATES INTERNATIONAL INC. CCID CHANGE LOG DETAIL REPORT ** PUT YOUR COMPANY NAME HERE **					01/20/97 PAGE 1	
CHANGES MADE UNDER CCID: EDB-DEVELOP									
DATE ---	TIME ---	ACTION -----	ENTITY TYPE ----	ENTITY IDENTIFICATION -----		VERSION	USER ---	DICT ---	SYSTEM ---
10/25/96	06:02:03	D (COMPRESSED)	ENDEVOR-USER	EDB150		1	DBADMIN	SRCNDVR	SYSTEM74
11/07/96	15:05:15	M (MODIFY)	DATE: 10/24/96 DICTIONARY UPDATE PROGRAM:	TIME: 09:32:10 SRCNDVR ENDEVOR	#CLE: 00000009	1	DBADMIN	SRCNDVR	SYSTEM74
11/08/96	14:18:01	A (ADD)	ELEMENT UPDATE PROGRAM:	EDB-ELEM-1 IDMSDDDL		1	DBADMIN	SRCNDVR	SYSTEM74
11/08/96	14:18:01	A (ADD)	RECORD UPDATE PROGRAM:	EDB-REC IDMSDDDL		1	DBADMIN	SRCNDVR	SYSTEM74
11/09/96	06:33:14	C (MIGR AUDIT)	ELEMENT DATE: 12/18/96	EDB-ELEM-1 TIME: 07:36:51	DICT: TGTNDVR	1 NODE: SYSTEM74	DBADMIN	SRCNDVR	SYSTEM74
11/09/96	06:33:14	C (MIGR AUDIT)	ELEMENT DATE: 12/18/96	EDB-ELEM-2 TIME: 07:36:51	DICT: TGTNDVR	1 NODE: SYSTEM74	DBADMIN	SRCNDVR	SYSTEM74
11/09/96	06:33:14	C (MIGR AUDIT)	RECORD DATE: 12/18/96	EDB-REC TIME: 07:36:51	DICT: TGTNDVR	1 NODE: SYSTEM74	DBADMIN	SRCNDVR	SYSTEM74
11/11/96	09:25:49	M (MODIFY)	RECORD UPDATE PROGRAM:	CUSTOMER IDMSDDDL		1	DBADMIN	SRCNDVR	SYSTEM74
11/11/96	09:25:49	M (MODIFY)	FILE UPDATE PROGRAM:	CUSTOMER-FILE IDMSDDDL		1	DBADMIN	SRCNDVR	SYSTEM74
11/11/96	09:25:49	M (MODIFY)	SYSTEM UPDATE PROGRAM:	DCSYSTEM IDMSDDDL		14	DBADMIN	SRCNDVR	SYSTEM74
11/11/96	09:25:49	M (MODIFY)	MESSAGE UPDATE PROGRAM:	DC601086 IDMSDDDL		1	DBADMIN	SRCNDVR	SYSTEM74

A.5 Report No. 04: Entity Change Log Detail

This report contains one line for each IDD or CCDB update grouped by entity.
Change Log Entries are displayed in entity name and chronological sequence with any associated USERID and CCID available.

REPORT NO. 04 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. ENTITY CHANGE LOG DETAIL REPORT ** PUT YOUR COMPANY NAME HERE **		01/20/97 PAGE 1	
CHANGE LOG FOR RECORD		EDB-REC		VERSION 1 WITHIN DICTIONARY: SRCNDVR SYSTEM: SYSTEM74	
DATE --- TIME --- ACTION -----		USER --- CCID -----		ADDITIONAL CHANGE-RELATED INFORMATION -----	
11/08/96 14:18:01 A		DBADMIN		UPDATE PROGRAM: IDMSDDL	
11/09/96 06:33:14 C (MIGR AUDIT)		DBADMIN		DATE: 12/18/96 TIME: 07:36:51 DICT: TGTNDVR NODE: SYSTEM74	

A.6 Report No. 05: CCID Change Log Summary

This report contains one entry for each update made to an entity under a given CCID.
Multiple lines indicate more than one CCID updating for a given time interval.

REPORT NO. 05		COMPUTER ASSOCIATES INTERNATIONAL INC.				01/20/97 PAGE 1	
CA-ENDEVOR/DB 15.0 CAABF0		CCID CHANGE LOG SUMMARY REPORT					
		** PUT YOUR COMPANY NAME HERE **					
CHANGES MADE UNDER CCID: EDB-SYSADMIN WITHIN DICTIONARY: SRCNDVR SYSTEM: SYSTEM74							
TYPE -----	ENTITY -----	VERSION	CHANGE ACTIONS	CONTROL ACTIONS	RETRIEVE ACTIONS	ARCHIVED ACTIONS	DATE LAST ACTION
CCID	EDB-DEVELOP	1	16	2	0	0	11/05/96
ELEMENT	EDB-ELEM-1	1	1	0	1	0	11/09/96
ELEMENT	EDB-ELEM-2	1	1	0	1	0	11/09/96
CCID	EDB-QA	1	8	2	0	0	11/11/96
RECORD	EDB-REC	1	1	0	1	0	11/09/96
CCID	EDB-SUPPORT	1	8	4	0	0	10/25/96
DICTIONARY	SRCNDVR	1	6	2	0	0	11/07/96
LOAD-MODULE	SSC1	1	1	0	0	0	01/17/97
SUBSCHEMA	SSC1 SCHEMA1	1	1	0	0	0	11/11/96
LINE	SYSINOUT	1	1	0	0	0	11/11/96
LINE	S3270Q1	1	1	0	0	0	11/11/96

A.7 Report No. 06: CCID List

This report contains one entry for each Change Control Identifier (CCID) defined in the data dictionary. CCIDs are automatically associated with work done in a IDD by the Dynamic Change Monitor.

REPORT NO. 06		COMPUTER ASSOCIATES INTERNATIONAL INC.		01/27/97 PAGE 1	
CA-ENDEVOR/DB 15.0 CAABF0		CCID LIST			
		** PUT YOUR COMPANY NAME HERE **			
CCDB FOR DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74			
		DATE LAST TIME LAST			
CCID NAME	SECURITY CLASS	LOCKED	TYPE	MODIFIED	MODIFIED COMMENTS -----
EDB-DCADMIN	NDVR-GLOBAL		PUBLIC	01/16/97 07:49:22	E/DB DC ADMINISTRATION
EDB-DEVELOP	DEVELOPMENT		PUBLIC	01/16/97 06:37:23	E/DB 15.0 DEVELOPMENT
EDB-QA	QA		PUBLIC	01/16/97 06:37:24	E/DB 15.0 QA
EDB-SUPPORT	SUPPORT		PUBLIC	01/16/97 06:37:24	E/DB 15.0 TECHNICAL SUPPORT
EDB-SYSAADMIN	NDVR-GLOBAL		PUBLIC	01/16/97 07:48:07	E/DB SYSTEM ADMINISTRATION

A.8 Report No. 07: User Change Log Summary

This report contains one line for each update made to an entity by a given user. Multiple lines for an entity signify a break in the sequence of Change Log Entries for that entity by that user.

REPORT NO. 07 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. USER CHANGE LOG SUMMARY REPORT ** PUT YOUR COMPANY NAME HERE **				01/28/97 PAGE 1	
CHANGES MADE UNDER USER: DBADMIN		WITHIN DICTIONARY: SRCNDVR SYSTEM: SYSTEM74					
TYPE -----	ENTITY -----	VERSION	CHANGE ACTIONS	CONTROL ACTIONS	RETRIEVE ACTIONS	ARCHIVED ACTIONS	DATE LAST ACTION
CCID	EDB-DEVELOP	1	0	2	0	0	11/05/96
CCID	EDB-QA	1	0	2	0	0	11/11/96
CCID	EDB-SUPPORT	1	0	2	0	0	10/10/96
RECORD	EMPMAP-WORK-RECORD	1	1	0	0	0	11/25/96
LOAD-MODULE	EMPMAPP1	1	13	0	0	0	12/30/96
MAP	EMPMAPP1	1	14	0	0	0	12/04/96
MODULE	EMPMAPP1	1	13	0	0	0	12/30/96
LOAD-MODULE	EMPMAPP2	1	3	0	0	0	12/30/96
MAP	EMPMAPP2	1	2	0	0	0	11/26/96
MODULE	EMPMAPP2	1	3	0	0	0	12/30/96
RECORD	NDVR-REC-1	1	2	0	0	0	11/25/96
RECORD	NDVR-REC-2	1	2	0	0	0	12/02/96
MAP	EMPMAP02	1	4	0	0	0	12/02/96
DICTIONARY	SRCNDVR	1	0	2	0	0	11/05/96

A.9 Report No. 08: User List

This report contains one entry for each user defined to the CCDB. Each user entry is followed by the CCID(s) that will automatically be associated with work done in the data dictionary by the Dynamic Change Monitor.

REPORT NO. 08 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. USER LIST ** PUT YOUR COMPANY NAME HERE **			01/27/97 PAGE 1
CCDB FOR DICTIONARY : SRCNDVR		SYSTEM: SYSTEM74			
USER -----	SECURITY CLASS	LOCKED	DATE LAST MODIFIED	TIME LAST MODIFIED	COMMENT -----
AUTOUSER CCID:	NDVR-DDA		11/20/96	07:13:49	
EDB-DC-ADMINISTRATOR CCID: EDB-DCADMIN	NDVR-GLOBAL		01/16/97	07:49:23	E/DB DC ADMINISTRATOR
EDB-SYSTEM-ADMINISTRATOR CCID: EDB-SYSADMIN	NDVR-GLOBAL		01/16/97	07:48:07	E/DB SYSTEM ADMINISTRATOR
DBADMIN CCID: EDB-SYSADMIN	NDVR-GLOBAL		09/19/96	04:49:34	DATABASE ADMINISTRATOR
QAADMIN CCID: EDB-QA	QA		10/11/96	08:18:30	QA SYSTEM ADMINISTRATOR

A.10 Report No. 09: Status List

This report contains one line for each change control status contained in the CCDB. Status codes are associated with dictionary entities as milestones are reached in the development process.

REPORT NO. 09		COMPUTER ASSOCIATES INTERNATIONAL INC.		01/27/97 PAGE 1
CA-ENDEVOR/DB 15.0 CAABF0		STATUS LIST		
** PUT YOUR COMPANY NAME HERE **				
CCDB FOR DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74		
		LAST DATE	LAST TIME	
STATUS -----	PRIVATE	MODIFIED	MODIFIED	COMMENT -----
DEBUGGING	Y	09/19/96	08:03:09	STATUS FOR PRIVATE DEBUGGING
EDB-ISSUE	N	09/27/96	14:50:08	E/DB OPEN STAR ISSUE
MANUAL-ENTITY	N	09/19/96	08:03:12	STATUS FOR MANUALLY DEFINED ENTITIES
REPORTING	N	10/11/96	08:18:31	E/DB 15.0 REPORTING
TESTING	N	09/19/96	08:03:07	STATUS FOR PUBLIC TESTING

A.11 Report No. 10: Management Group List

This report contains one line for each management group contained in the CCDB. Management groups are a mechanism for grouping related CCIDs together, and are used for release and migration configuration purposes.

REPORT NO. 10	COMPUTER ASSOCIATES INTERNATIONAL INC.			01/27/97	PAGE	1
CA-ENDEVOR/DB 15.0 CAABF0	MANAGEMENT GROUP LIST					
** PUT YOUR COMPANY NAME HERE **						
CCDB FOR DICTIONARY: SRCNDVR	SYSTEM:	SYSTEM74				
	LAST DATE	LAST TIME				
MANAGEMENT GROUP	MODIFIED	MODIFIED		COMMENT	-----	
PRODUCTION_CTRL	10/23/96	08:34:47		PRODUCTION CONTROL GROUP		
DEVELOPMENT_CTRL	10/23/96	08:35:00		DEVELOPMENT CONTROL GROUP		
QA_CTRL	10/11/96	08:45:47		QA CONTROL GROUP		

A.12 Report No. 11: Entity / CCID Change Log Summary

This report contains one line for each update made to an entity under a given CCID.
More than one line under an entity signifies multiple CCID updates for the reported time interval.

REPORT NO. 11 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. ENTITY/CCID CHANGE LOG SUMMARY REPORT ** PUT YOUR COMPANY NAME HERE **				01/27/97 PAGE 1		
CCDB FOR DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74						
TYPE -----	ENTITY -----	VERS	CCID -----	CHANGE ACTIONS	CONTROL ACTIONS	RETRIEVE ACTIONS	ARCHIVED ACTIONS	DATE LAST ACTION
LOAD-MODULE	ADSCSELB	100		1	1	1	0	10/22/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
TABLE	ADSCSELB	100		2	1	1	0	10/22/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
DIALOG	AUTODIAG	100		1	1	0	0	10/22/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
MODULE	AUTOUSER-FLD-HELP	100	HELP	1	1	1	0	10/22/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
MODULE	AUTOUSER-MAP-HELP	1	HELP	1	0	1	0	10/22/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
MODULE	AUTOUSER-MAP-HELP	100	HELP	2	1	1	0	10/22/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
RECORD	CUSTOMER	1		1	0	1	0	11/11/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
FILE	CUSTOMER-FILE	1		1	0	1	0	11/11/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
MESSAGE	DC601086	1		1	0	1	0	11/11/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
PROGRAM	EMPINQ	1		1	0	1	0	11/11/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
TASK	EMPINQ	1		1	0	0	0	11/11/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
RECORD	EMPLOYEE	100		0	1	1	0	01/26/97
			EDB-SYSADMIN	0	1	0	0	01/25/97
RECORD	EMPMAP-WORK-RECORD	1		1	0	1	0	11/25/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
LOAD-MODULE	EMPMAPP1	1		17	0	1	0	12/30/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
MAP	EMPMAPP1	1		14	0	1	0	12/04/96
			EDB-SYSADMIN	0	1	0	0	01/25/97
MODULE	EMPMAPP1	1	HELP	17	0	0	0	12/30/96
			EDB-SYSADMIN	0	1	0	0	01/25/97

A.13 Report No. 12: Entity Change Log Summary

This report contains one line for each entity known to the CCDB and an accompanying update count and last update time.

REPORT NO. 12		COMPUTER ASSOCIATES INTERNATIONAL INC.				01/27/97 PAGE 1	
CA-ENDEVOR/DB 15.0 CAABF0		ENTITY CHANGE LOG SUMMARY REPORT					
		** PUT YOUR COMPANY NAME HERE **					
CCDB FOR DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74					
TYPE	ENTITY	VERSION	CHANGE ACTIONS	CONTROL ACTIONS	RETRIEVE ACTIONS	ARCHIVED ACTIONS	DATE LAST ACTION
LOAD-MODULE	ADSCSELB	100	1	2	1	0	10/22/96
TABLE	ADSCSELB	100	2	2	1	0	10/22/96
DIALOG	AUTODIAG	100	1	2	0	0	10/22/96
MODULE	AUTOUSER-FLD-HELP	100	1	2	1	0	10/22/96
MODULE	AUTOUSER-MAP-HELP	100	2	2	1	0	10/22/96
RECORD	CUSTOMER	1	1	1	1	0	11/11/96
FILE	CUSTOMER-FILE	1	1	1	1	0	11/11/96
MESSAGE	DC601086	1	1	1	1	0	11/11/96
PROGRAM	EMPINQ	1	1	1	1	0	11/11/96
TASK	EMPINQ	1	1	1	0	0	11/11/96
RECORD	EMPMAP-WORK-RECORD	1	1	1	1	0	11/25/96
LOAD-MODULE	EMPMAPP1	1	17	1	1	0	12/30/96
MAP	EMPMAPP1	1	14	1	1	0	12/04/96
MODULE	EMPMAPP1	1	17	1	0	0	12/30/96
LOAD-MODULE	EMPMAPP2	1	3	1	1	0	12/30/96
MAP	EMPMAPP2	1	2	1	1	0	11/26/96
MODULE	EMPMAPP2	1	3	1	0	0	12/30/96
SCHEMA	EMPSCHM	100	2	2	1	0	10/22/96
LOAD-MODULE	EMPSS01	1	4	1	1	0	10/22/96
SUBSCHEMA	EMPSS01 EMPSCHEM	100	6	2	1	0	10/22/96
MODULE	MAP-FIELD-HELP	1	1	1	1	0	10/21/96
LOAD-MODULE	EMPMAP01	2	1	2	1	0	10/21/96
MAP	EMPMAP01	2	2	2	1	0	10/21/96
MAP	EMPMAP02	1	4	1	0	0	12/02/96
LOAD-MODULE	EMPMAP02	1	1	0	0	0	01/17/97
MODULE	EMPMAP02	1	1	0	0	0	01/17/97
ENDEVOR-USER	DBADMIN	1	0	2	0	0	10/04/96
FILE	RPTFILE	1	1	1	1	0	11/11/96
ELEMENT	SALARY-AMOUNT	100	0	2	1	0	01/26/97
ELEMENT	SALARY-GRADE	100	0	2	1	0	01/26/97
ELEMENT	SALARY-GRADES	100	0	2	1	0	01/26/97

A.14 Report No. 13: CCID / Entity Status

This report contains one line for each entity modified under a CCID and that entity's current status under that CCID, and its current "base" status. An entity may have one status for each CCID it has been modified under and one "base" status. Status codes can be used for workflow tracking/reporting, and promotion fine-tuning.

REPORT NO. 13 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. CCID ENTITY STATUS REPORT		02/06/97 PAGE 1	
		** PUT YOUR COMPANY NAME HERE **			
STATUS OF ENTITIES CHANGED UNDER CCID: EMPDEMO		WITHIN DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74	
TYPE -----	ENTITY -----	VERSION	DATE LAST ACTION	BASE STATUS ----	CCID STATUS ----
RECORD	COVERAGE	100	01/30/97		STANDARD-MIGRATE
ELEMENT	DATE-1	1	01/30/97	NEVER-MIGRATE	
ELEMENT	DATE-2	1	01/30/97	NEVER-MIGRATE	
ELEMENT	DAY	1	01/30/97	NEVER-MIGRATE	
RECORD	DEPARTMENT	100	01/30/97		STANDARD-MIGRATE
RECORD	EMPLOYEE	100	01/30/97		STANDARD-MIGRATE
LOAD-MODULE	EMPMAP	1	01/30/97		STANDARD-MIGRATE
MAP	EMPMAP	1	01/30/97		STANDARD-MIGRATE
SCHEMA	EMPSCHM	100	01/30/97		STANDARD-MIGRATE
LOAD-MODULE	EMPSS01	1	01/30/97		STANDARD-MIGRATE
SUBSCHEMA	EMPSS01 EMPSCHM	100	01/30/97		STANDARD-MIGRATE
RECORD	EXPERTISE	100	01/30/97		STANDARD-MIGRATE
ELEMENT	MONTH	1	01/30/97	NEVER-MIGRATE	
ELEMENT	SLASH	1	01/30/97	NEVER-MIGRATE	
ELEMENT	SLASH-2	1	01/30/97	NEVER-MIGRATE	
ELEMENT	YEAR	1	01/30/97	NEVER-MIGRATE	

A.15 Report No. 14: Entity Status History

This report displays one entry for each time the status of an entity has been set, reset, or terminated by CA-Endevor/DB facilities.

REPORT NO. 14		COMPUTER ASSOCIATES INTERNATIONAL INC.				01/30/97 PAGE 1	
CA-ENDEVOR/DB 15.0 CAABF0		ENTITY STATUS HISTORY REPORT					
		** PUT YOUR COMPANY NAME HERE **					
STATUS HISTORY FOR RECORD		COVERAGE		VER 100 WITHIN DICTIONARY: SRCNDVR		SYSTEM:	
DATE ---	TIME ---	ACTION	STATUS -----	CCID QUALIFIER	USER -----	CCID -----	
01/30/97	15:41:03	S	STANDARD-MIGRATE	EMPDEMO	DBADMIN		

A.16 Report No. 15: Post Migration Activity

This report contains one line for each entity that was modified in the target dictionary since it was last migrated in. It is instrumental in identifying production or quality assurance "fixes" made independently of the development system. The Correlation Processor uses a similar extraction path when identifying the potential reversion of these fixes by new migrations.

REPORT NO. 15 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. POST MIGRATION ACTIVITY REPORT ** PUT YOUR COMPANY NAME HERE **		02/28/97 PAGE 1	
CCDB FOR DICTIONARY: TGTNDVR		SYSTEM: SYSTEM74			
TYPE -----	ENTITY -----	VERSION	CHANGE ACTIONS	DATE LAST ACTION	TIME LAST ACTION
RECORD	TAX-REC	1	1	02/28/97	07:42:10
LOAD-MODULE	EMPMAPP1	1	1	02/28/97	07:42:10
MAP	EMPMAPP1	1	1	02/28/97	07:42:10
SCHEMA	EMPSCHM	100	1	02/28/97	07:06:30
SUBSCHEMA	EMPSS01 EMPSCHM	100	1	02/28/97	07:08:33
FILE	ORDER-FILE	1	1	02/28/97	07:42:10
TABLE	TAXCODE	1	3	02/28/97	07:42:10
TABLE	TAXEDIT	1	2	02/28/97	07:42:10

A.17 Report No. 16: Source Migration Summary

This report is run against the source system and contains one line for each entity received by the target system, the time it was received, and the time it was originally selected for migration (and optionally Signed out). Data for this report was originally contained in the confirmation file transmitted to the source system by the reception process on the target system. Also identified are the system name and dictionary name of the target. All entities participating in a migration are displayed together in entity name sequence.

REPORT NO. 16		COMPUTER ASSOCIATES INTERNATIONAL INC.				01/22/97 PAGE 1	
CA-ENDEVOR/DB 15.0 CAABF0		SOURCE MIGRATION SUMMARY					
		** PUT YOUR COMPANY NAME HERE **					
CCDB FOR DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74					
TYPE	ENTITY	VERSION	TIMES EXPORTED	DATE LAST EXPORTED	TARGET SITE/NODE	TARGET DICTIONARY	DATE LAST IMPORTED
LOAD-MODULE	ADSCSELB	100	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
TABLE	ADSCSELB	100	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
MODULE	AUTOUSER-FLD-HELP	HELP 100	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
MODULE	AUTOUSER-MAP-HELP	HELP 1	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
MODULE	AUTOUSER-MAP-HELP	HELP 100	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
RECORD	COVERAGE	100	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
ELEMENT	CUST-ADDRESS	1	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
RECORD	CUSTOMER	1	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
FILE	CUSTOMER-FILE	1	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
MESSAGE	DC601086	1	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
LOAD-MODULE	EMPMAPP1	1	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
MAP	EMPMAPP1	1	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
LOAD-MODULE	EMPMAPP2	1	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
MAP	EMPMAPP2	1	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
SCHEMA	EMPSCHM	100	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97
SUBSCHEMA	EMPSS01 EMPSCHEM	100	1	01/20/97	SYSTEM74	TGTNDVR	01/22/97

A.18 Report No. 17: Target Migration Summary

This report is produced on the target system and contains one line for each entity received from the source system, the date and time it was selected for migration on the source system, and the time it was received on the target. The Reception Processor created the data necessary for this report. All entities participating in a migration are displayed in entity name sequence.

REPORT NO. 17		COMPUTER ASSOCIATES INTERNATIONAL INC.				01/22/97 PAGE 1	
CA-ENDEVOR/DB 15.0 CAABF0		TARGET MIGRATION SUMMARY					
		** PUT YOUR COMPANY NAME HERE **					
CCDB FOR DICTIONARY: TGTNDVR		SYSTEM: SYSTEM74					
TYPE -----	ENTITY -----	VERSION	TIMES IMPORTED	DATE LAST IMPORTED	SOURCE SITE/NODE	SOURCE DICTIONARY	DATE LAST EXPORTED
LOAD-MODULE	ADSCSELB	100	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
TABLE	ADSCSELB	100	2	01/22/97	SYSTEM74	SRCNDVR	01/20/97
MODULE	AUTOUSER-FLD-HELP	HELP 100	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
MODULE	AUTOUSER-MAP-HELP	HELP 1	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
MODULE	AUTOUSER-MAP-HELP	HELP 100	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
RECORD	COVERAGE	100	2	01/22/97	SYSTEM74	SRCNDVR	01/20/97
ELEMENT	CUST-ADDRESS	1	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
RECORD	CUSTOMER	1	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
FILE	CUSTOMER-FILE	1	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
MESSAGE	DC601086	1	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
LOAD-MODULE	EMPMAPP1	1	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
MAP	EMPMAPP1	1	4	01/22/97	SYSTEM74	SRCNDVR	01/20/97
LOAD-MODULE	EMPMAPP2	1	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
MAP	EMPMAPP2	1	4	01/22/97	SYSTEM74	SRCNDVR	01/20/97
SCHEMA	EMPSCHM	100	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97
SUBSCHEMA	EMPSS01 EMPSCHEM	100	1	01/22/97	SYSTEM74	SRCNDVR	01/20/97

A.19 Report No. 18: Entity Signout Detail

This report displays each entity currently signed out, and the user or CCID to which that entity is signed out.

REPORT NO. 18		COMPUTER ASSOCIATES INTERNATIONAL INC.				01/25/97 PAGE 1	
CA-ENDEVOR/DB 15.0 CAABF0		ENTITY SIGNOUT DETAIL REPORT					
		** PUT YOUR COMPANY NAME HERE **					
CCDB FOR DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74					
TYPE -----	ENTITY -----	VERSION	SIGNED OUT ON	SIGNED OUT TO	SIGNED OUT NAME -----		
LOAD-MODULE	ADSCSELB	100	01/25/97	CCID	EDB-SYSADMIN		
TABLE	ADSCSELB	100	01/25/97	CCID	EDB-SYSADMIN		
DIALOG	AUTODIAG	100	01/25/97	CCID	EDB-SYSADMIN		
MODULE	AUTOUSER-FLD-HELP	100	01/25/97	CCID	EDB-SYSADMIN	HELP	
MODULE	AUTOUSER-MAP-HELP	1	01/25/97	CCID	EDB-SYSADMIN	HELP	
MODULE	AUTOUSER-MAP-HELP	100	01/25/97	CCID	EDB-SYSADMIN	HELP	
RECORD	CUSTOMER	1	01/25/97	CCID	EDB-SYSADMIN		
FILE	CUSTOMER-FILE	1	01/25/97	CCID	EDB-SYSADMIN		
MESSAGE	DC601086	1	01/25/97	CCID	EDB-SYSADMIN		
PROGRAM	EMPINQ	1	01/25/97	CCID	EDB-SYSADMIN		
RECORD	EMPLOYEE	100	01/25/97	CCID	EDB-SYSADMIN		
LOAD-MODULE	EMPMAPP1	1	01/25/97	CCID	EDB-SYSADMIN		
MAP	EMPMAPP1	1	01/25/97	CCID	EDB-SYSADMIN		
MODULE	EMPMAPP1	1	01/25/97	CCID	EDB-SYSADMIN	HELP	
LOAD-MODULE	EMPMAPP2	1	01/25/97	CCID	EDB-SYSADMIN		
MAP	EMPMAPP2	1	01/25/97	CCID	EDB-SYSADMIN		
MODULE	EMPMAPP2	1	01/25/97	CCID	EDB-SYSADMIN	HELP	
SCHEMA	EMPSCHM	100	01/25/97	CCID	EDB-SYSADMIN		
LOAD-MODULE	EMPSS01	1	01/25/97	CCID	EDB-SYSADMIN		
SUBSCHEMA	EMPSS01 EMPSCHEM	100	01/25/97	CCID	EDB-SYSADMIN		

A.20 Report No. 19: Entity Signout by User

This report displays each entity currently signed out, by user.

REPORT NO. 19 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. ENTITY SIGNOUT BY USER REPORT ** PUT YOUR COMPANY NAME HERE **		01/25/97 PAGE 1	
ENTITIES SIGNED OUT TO USER: DBADMIN		FOR DICTIONARY: SRCNDVR		SYSTEM:	SYSTEM74
		SIGNED			
TYPE -----	ENTITY -----	VERS	OUT ON	COMMENT -----	
MODULE	NDVRPT01	1	10/14/96	SIGNOUT CULPRIT REPORT 01	
MODULE	NDVRPT02	1	10/14/96	SIGNOUT CULPRIT REPORT 02	
MODULE	NDVRPT03	1	10/14/96	SIGNOUT CULPRIT REPORT 03	

A.21 Report No. 20: Entity Signout by CCID

This report displays each entity currently signed out, by CCID.

REPORT NO. 20 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. ENTITY SIGNOUT BY CCID REPORT ** PUT YOUR COMPANY NAME HERE **		01/22/97 PAGE 1	
ENTITIES SIGNED OUT TO CCID: EDB-DEVELOP		FOR DICTIONARY: SRCNDVR	SYSTEM: SIGNED	SYSTEM74	
TYPE -----	ENTITY -----	VERS	OUT ON	COMMENT -----	
MODULE	NDVRPT04	1	10/13/96	SIGNOUT CULPRIT REPORT 04	
MODULE	NDVRPT05	1	10/13/96	SIGNOUT CULPRIT REPORT 05	

A.22 Report No. 21: Security Class/User

This report displays each user that is associated to a given security class.

REPORT NO. 21	COMPUTER ASSOCIATES INTERNATIONAL INC.	01/28/97 PAGE 1
CA-ENDEVOR/DB 15.0 CAABF0	SECURITY CLASS/USER REPORT	
	** PUT YOUR COMPANY NAME HERE **	
USERS DEFINED WITH SECURITY CLASS: NDVR-GLOBAL	IN DICTIONARY: SRCNDVR SYSTEM: SYSTEM74	
USER NAME -----	COMMENT -----	
EDB-DC-ADMINISTRATOR	E/DB DC ADMINISTRATOR	
EDB-SYSTEM-ADMINISTRATOR	E/DB SYSTEM ADMINISTRATOR	
DBADMIN	DATABASE ADMINISTRATOR	

A.23 Report No. 22: Security Class/CCID

This report displays each CCID that is associated to a given security class.

REPORT NO. 22	COMPUTER ASSOCIATES INTERNATIONAL INC.	01/28/97 PAGE 1
CA-ENDEVOR/DB 15.0 CAABF0	SECURITY CLASS/CCID REPORT	
	** PUT YOUR COMPANY NAME HERE **	
CCIDS DEFINED WITH SECURITY CLASS: NDVR-GLOBAL	IN DICTIONARY: SRCNDVR SYSTEM: SYSTEM74	
CCID -----	COMMENT -----	
EDB-DCADMIN	E/DB DC ADMINISTRATION	
EDB-SYSADMIN	E/DB SYSTEM ADMINISTRATION	

A.24 Report No. 23: Management Group/CCID

This report displays each CCID that is associated to a given management group.

REPORT NO. 23 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. MANAGEMENT GROUP/CCID REPORT ** PUT YOUR COMPANY NAME HERE ** IN DICTIONARY: SRCNDVR SYSTEM: SYSTEM74		01/28/97 PAGE 1
CCIDS WITHIN MANAGEMENT GROUP: QA_CTRL				
CCID -----	DATE LAST MODIFIED	TIME LAST MODIFIED	COMMENT -----	
EDB-DEVELOP	10/11/96	08:45:47	E/DB DEVELOPMENT CHANGE CONTROL	
EDB-SUPPORT	10/11/96	08:45:47	E/DB SUPPORT CHANGE CONTROL	

A.25 Report No. 24: Entity/User Change Log Summary

This report contains one line for each contiguous string of updates made to an entity under a given User. More than one line under an entity signifies multiple User updates for the reported time interval.

REPORT NO. 24 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. ENTITY/USER CHANGE LOG SUMMARY REPORT ** PUT YOUR COMPANY NAME HERE **				01/28/97 PAGE 1		
CCDB FOR DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74						
TYPE -----	ENTITY -----	VERS	USER ---	CHANGE ACTIONS	CONTROL ACTIONS	RETRIEVE ACTIONS	ARCHIVED ACTIONS	DATE LAST ACTION
DESTINATION	ABC	1	EDB-SYST	0	1	0	0	01/25/97
			DCADMIN	0	2	0	0	10/08/96
			DBADMIN	1	0	0	0	11/11/96
LOAD-MODULE	ADSCSELB	100	AUTOUSER	1	0	0	0	10/22/96
			EDB-SYST	0	1	0	0	01/25/97
			DBADMIN	0	1	1	0	01/26/97
TABLE	ADSCSELB	100	AUTOUSER	2	0	0	0	10/22/96
			EDB-SYST	0	1	0	0	01/25/97
			DBADMIN	0	1	1	0	01/26/97
DIALOG	AUTODIAG	100	AUTOUSER	1	0	0	0	10/22/96
			EDB-SYST	0	1	0	0	01/25/97
			DBADMIN	0	1	0	0	01/26/97
LOAD-MODULE	AUTOHELP	100	AUTOUSER	6	0	0	0	10/22/96
MODULE	AUTOHELP	100	AUTOUSER	3	0	0	0	10/22/96
LOAD-MODULE	AUTOMAP1	100	AUTOUSER	4	0	0	0	10/22/96
MAP	AUTOMAP1	100	AUTOUSER	6	0	0	0	10/22/96
MODULE	AUTOUSER-FLD-HELP	HELP	100	AUTOUSER	1	0	0	10/22/96
			EDB-SYST	0	1	0	0	01/25/97
			DBADMIN	0	1	1	0	01/26/97
MODULE	AUTOUSER-MAP-HELP	HELP	1	AUTOUSER	1	0	0	10/22/96
			EDB-SYST	0	1	0	0	01/25/97
			DBADMIN	0	0	1	0	01/25/97
MODULE	AUTOUSER-MAP-HELP	HELP	100	AUTOUSER	2	0	0	10/22/96
			EDB-SYST	0	1	0	0	01/25/97
			DBADMIN	0	1	1	0	01/26/97
ELEMENT	BIRTH-DATE	100	EDB-SYST	0	1	0	0	01/25/97
			DBADMIN	0	1	1	0	01/26/97

A.26 Report No. 25: Entity Preauthorization Detail Report

This report displays each entity preauthorized to entities and CCIDs, by entity.

REPORT NO. 25 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. ENTITY PRE-AUTHORIZATION DETAIL REPORT ** PUT YOUR COMPANY NAME HERE **				01/28/97 PAGE 1	
CCDB FOR DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74					
TYPE -----	ENTITY -----	VERSION	PRE- AUTHED	SIGNED OUT	TO	NAME -----	
TABLE	ADSCSELB	1	Y	N	CCID	EDB-SYSADMIN	
MODULE	AUTOUSER-MAP-HELP	1	Y	N	CCID	EDB-SYSADMIN	
RECORD	CUSTOMER	1	Y	N	CCID	EDB-SYSADMIN	
FILE	CUSTOMER-FILE	1	Y	N	CCID	EDB-SYSADMIN	
ELEMENT	DATA	1	Y	N	CCID	EDB-SYSADMIN	
ELEMENT	DATE	1	Y	N	CCID	EDB-SYSADMIN	
ELEMENT	DATE-1	1	Y	N	CCID	EDB-SYSADMIN	
ELEMENT	DATE-2	1	Y	N	CCID	EDB-SYSADMIN	
ELEMENT	DAY	1	Y	N	CCID	EDB-SYSADMIN	
MESSAGE	DC601086	1	Y	N	CCID	EDB-SYSADMIN	
MESSAGE	DC601086	1	Y	N	CCID	EDB-DCADMIN	
PROGRAM	EMPINQ	1	Y	N	CCID	EDB-SYSADMIN	
PROGRAM	EMPINQ	1	Y	N	CCID	EDB-DCADMIN	
TASK	EMPINQ	1	Y	N	CCID	EDB-SYSADMIN	
TASK	EMPINQ	1	Y	N	CCID	EDB-DCADMIN	
LOAD-MODULE	EMPMAP	1	Y	N	CCID	EDB-SYSADMIN	
LOAD-MODULE	EMPMAP	1	Y	N	CCID	EDB-DCADMIN	
MAP	EMPMAP	1	Y	N	CCID	EDB-SYSADMIN	
RECORD	EMPMAP-WORK-RECORD	1	Y	N	CCID	EDB-SYSADMIN	

A.27 Report No. 26: Entity Preauthorization by User Report

This report displays each entity preauthorized to entities and CCIDs, by user.

REPORT NO. 26 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. ENTITY PRE-AUTHORIZATION BY USER REPORT ** PUT YOUR COMPANY NAME HERE **		01/28/97 PAGE 1	
ENTITIES PRE-AUTHORIZED TO USER: DBADMIN		FOR DICTIONARY: SRCNDVR		SYSTEM:	SYSTEM74
TYPE	ENTITY	VERS	PRE- AUTHED	SIGNED OUT	COMMENT
MODULE	NDVRPT01	1	Y	Y	SIGNOUT CULPRIT REPORT 01
MODULE	NDVRPT02	1	Y	Y	SIGNOUT CULPRIT REPORT 02
MODULE	NDVRPT03	1	Y	Y	SIGNOUT CULPRIT REPORT 03

A.28 Report No. 27: Entity Preauthorization by CCID Report

This report displays each entity preauthorized to entities and CCIDs, by CCID.

REPORT NO. 27 CA-ENDEVOR/DB 15.0 CAABF0		COMPUTER ASSOCIATES INTERNATIONAL INC. ENTITY PRE-AUTHORIZATION BY CCID REPORT ** PUT YOUR COMPANY NAME HERE **			01/28/97 PAGE 1	
ENTITIES PRE-AUTHORIZED TO CCID: EDB-DEVELOP		FOR DICTIONARY: SRCNDVR		SYSTEM: SYSTEM74		
TYPE -----	ENTITY -----	VERS	PRE- AUTHED	SIGNED OUT	COMMENT -----	
MODULE	NDVRPT04	1	Y	Y	SIGNOUT CULPRIT REPORT 04	
MODULE	NDVRPT05	1	Y	Y	SIGNOUT CULPRIT REPORT 05	

Appendix B. Record Layouts

B.1 CA-CULPRIT Change Log Entry Record Layout -- NDVRRCLG

FILE DESCRIPTION...					
LRECL	TYPE	BLOCK		User Module NDVRRCLG	
00800	F				
START	SIZE	TYPE	DP	FIELD-NAME	DESCRIPTION
-----	-----	-----	--	-----	-----
00001	00256			CHANGE-LOG-RECORD1	USED IN RPT90
00001	00008			RECPFX	RECORD PREFIX
00001	00002	1		RECLEN	RECORD LENGTH
00003	00001	1		RECFLAG1	RECORD FLAG 1
00004	00001	1		RECFLAG2	RECORD FLAG 2
00005	00002	1		RECTYPE	RECORD TYPE
00007	00002	1		RECVER	RECORD VERSION
00009	00008			DICT-NAME	DICTIONARY NAME
00017	00008			DICT-SYSTEM	SYSTEM NAME
00025	00044			ENTITY-KEY	ENTITY KEY
00025	00040			ENTITY-NAME	ENTITY NAME
00025	00008			ELEMENT-SYSTEM	C1 ELEMENT SYSTEM
00033	00008			ELEMENT-SUBSYS	C1 ELEMENT SUBSYSTEM
00041	00010			ELEMENT-NAME	C1 ELEMENT NAME
00051	00008			ELEMENT-TYPE	C1 ELEMENT TYPE
00059	00001			ELEMENT-STAGE	C1 ELEMENT STAGE
00065	00002	1		ENTITY-CODE	ENTITY CODE
00067	00002	1		ENTITY-VERSION	ENTITY VERSION
00069	00016			ENTITY-TYPE	ENTITY TYPE
00085	00003			ENTITY-ABBR	ENTITY ABBREVIATION
00089	00004	1		DATE-LAST-MODIFIED	DATE LAST MODIFIED
00093	00004	1	2	TIME-LAST-MODIFIED	TIME LAST MODIFIED
00097	00004	1		RECOVERY-SYNC	RECOVERY FLAG
00101	00008			LOG-DT-STAMP	LOG DATE/TIME STAMP
00101	00004	1		LOG-DATE	LOG DATE
00105	00004	1	2	LOG-TIME	LOG TIME
00109	00040			DESCRIPTION	DESCRIPTION
00109	00008	2		DESC-COMP-COUNT	COMP/ARCH: #CLE'S
00109	00008			DESC-COMP-NNN	(REDEFINED AS CHAR)
00117	00008			DESC-COMP-LOW-DT	LOW DATE COMPRESSED
00125	00008			DESC-COMP-LOW-TM	LOW TIME COMPRESSED
00109	00008	2		DESC-ARCH-DEL	ARCO STATS: # CLE'S DELETED
00117	00008	2		DESC-ARCH-ADD	# CLE'S ADDED
00125	00008	2		DESC-ARCH-OUT	# CLE'S OUTPUT
00133	00008			DESC-ARCH-AAGE	LOW DATE ARCHIVED
00141	00008			DESC-ARCH-CAGE	LOW DATE COMPRESSED
00109	00016			DESC-STAT-NAME	R/S/T: STATUS NAME
00125	00012			DESC-STAT-QUAL	STATUS QUALIFIER (CCID)
00109	00008			DESC-MIGR-DICT	C/V: DICTNAME AT OTHER END
00117	00008			DESC-MIGR-NODE	NODENAME AT OTHER END
00125	00008			DESC-MIGR-DATE	DATE OTHER END OCCURRED
00133	00008			DESC-MIGR-TIME	TIME OTHER END OCCURRED

B.1 CA-CULPRIT Change Log Entry Record Layout -- NDVRRCLG

00109	00008		DESC-C1-ACTION	C1 A/M/D: C1 ACTION
00109	00001		DESC-C1-MIGR-SITEID	C1 C/V: SITEID AT OTHER END
00110	00008		DESC-C1-MIGR-ENVIRON	ENVIRON AT OTHER END
00117	00004	2	DESC-C1-RCODE	C1 RETURN CODE
00118	00001		DESC-C1-MIGR-STAGE#	STAGE# AT OTHER END
00119	00008		DESC-C1-MIGR-SYSTEM	SYSTEM AT OTHER END
00127	00008		DESC-C1-MIGR-SUBSYS	SUBSYS AT OTHER END
00135	00008		DESC-C1-MIGR-TYPE	TYPE AT OTHER END
00143	00004	1	DESC-C1-MIGR-DATE	DATE OTHER END OCCURRED
00147	00002	1	DESC-C1-MIGR-TIME	TIME OTHER END OCCURRED
00149	00060		COMMENT	COMMENT
00209	00001		ACTION	ACTION FLAG
00210	00001		GROW-C1-SITEID	C1 ALL: OS/390 SITEID
00210	00035		GROWTH	SPACE FOR GROWTH
00211	00008		GROW-C1-ENVIRON	OS/390 ENVIRONMENT
00219	00004	2	GROW-C1-LEVEL	ELEMENT LEVEL #
00245	00032		USER	USER NAME
00257	00032		CHANGE-LOG-RECORD2	USED IN RPT90
00277	00012		CCID	CCID NAME

B.2 CA-CULPRIT CCID Record Layout -- NDVRRCCI

LRECL	TYPE	BLOCK	FILE DESCRIPTION...		
00800	F		User Module NDVRRCCI		
START	SIZE	TYPE	DP	FIELD-NAME	DESCRIPTION
-----	-----	----	--	-----	-----
00001	00008			RECPFX	RECORD PREFIX
00001	00002	1		RECLN	RECORD LENGTH
00005	00002	1		RECTYPE	RECORD TYPE
00007	00002	1		RECVER	RECORD VERSION
00009	00004	1		DATE-LAST-MODIFIED	DATE LAST MODIFIED
00013	00004	1	2	TIME-LAST-MODIFIED	TIME LAST MODIFIED
00017	00012			CCID	CCID
00029	00016			SECURITY-CLASS	SECURITY CLASS
00045	00060			COMMENT	COMMENT
00105	00001			LOCKED	LOCKED BYTE
00106	00001			AUTH	AUTH-REQUIRED BYTE
00107	00034			GROWTH	SPACE FOR GROWTH
00145	00008			DICT-NAME	DICTIONARY NAME
00153	00008			DICT-SYSTEM	SYSTEM NAME

B.3 CA-CULPRIT CCID/Entity/Status List -- NDVRRCSL

LRECL	TYPE	BLOCK	FILE	DESCRIPTION...
00800	F		User Module	NDVRRCSL

START	SIZE	TYPE	DP	FIELD-NAME	DESCRIPTION
----	----	----	--	-----	-----
00001	00008			RECPFX	RECORD PREFIX
00001	00002	1		RECLEN	RECORD LENGTH
00003	00001	1		RECFLAG1	RECORD FLAG 1
00004	00001	1		RECFLAG2	RECORD FLAG 2
00005	00002	1		RECTYPE	RECORD TYPE
00007	00002	1		RECVER	RECORD VERSION
00009	00008			DICT-NAME	DICTIONARY NAME
00017	00008			DICT-SYSTEM	SYSTEM NAME
00025	00044			ENTITY-KEY	ENTITY KEY
00025	00040			ENTITY-NAME	ENTITY NAME
00025	00008			ELEMENT-SYSTEM	C1 ELEMENT SYSTEM
00033	00008			ELEMENT-SUBSYS	C1 ELEMENT SUBSYSTEM
00041	00010			ELEMENT-NAME	C1 ELEMENT NAME
00051	00008			ELEMENT-TYPE	C1 ELEMENT TYPE
00059	00001			ELEMENT-STAGE	C1 ELEMENT STAGE
00065	00002	1		ENTITY-CODE	ENTITY CODE
00067	00002	1		ENTITY-VERSION	ENTITY VERSION
00069	00016			ENTITY-TYPE	ENTITY TYPE
00085	00003			ENTITY-ABBR	ENTITY ABBREVIATION
00089	00004	1		DATE-LAST-MODIFIED	DATE LAST MODIFIED
00093	00004	1	2	TIME-LAST-MODIFIED	TIME LAST MODIFIED
00097	00004	1		RECOVERY-SYNC	RECOVERY FLAG
00101	00004	1		LOG-DATE	LOG DATE
00101	00008			LOG-DT-STAMP	LOG DATE/TIME STAMP
00105	00004	1	2	LOG-TIME	LOG TIME
00109	00040			DESCRIPTION	DESCRIPTION
00109	00008	2		DESC-COMP-COUNT	# CLE'S COMPRESSED TOGETHER
00109	00008			DESC-COMP-NNN	(# CLE'S REDEFINED)
00117	00008			DESC-COMP-LOW-DT	LOW DATE COMPRESSED UP
00125	00008			DESC-COMP-LOW-TM	LOW TIME COMPRESSED UP
00109	00008	2		DESC-ARCH-DEL	ARCO JOB: # CLE'S DELETED
00117	00008	2		DESC-ARCH-ADD	# CLE'S ADDED BACK
00125	00008	2		DESC-ARCH-OUT	# ARCHIVED CLE'S
00133	00008			DESC-ARCH-AAGE	LOW DATE ARCHIVED
00141	00008			DESC-ARCH-CAGE	LOW DATE COMPRESSED
00109	00016			DESC-STAT-NAME	R/S/T: STATUS NAME
00125	00012			DESC-STAT-QUAL	STATUS QUALIFIER (CCID)
00109	00008			DESC-MIGR-DICT	C/V: DICTNAME AT OTHER END
00117	00008			DESC-MIGR-NODE	NODENAME AT OTHER END
00125	00008			DESC-MIGR-DATE	DATE OTHER END OCCURRED
00133	00008			DESC-MIGR-TIME	TIME OTHER END OCCURRED

00109	00008		DESC-C1-ACTION	C1 A/M/D: C1 ACTION
00117	00004	2	DESC-C1-RCODE	C1 RETURN CODE
00109	00001		DESC-C1-MIGR-SITEID	C1 C/V: SITEID AT OTHER END
00110	00008		DESC-C1-MIGR-ENVIRON	ENVIRON AT OTHER END
00118	00001		DESC-C1-MIGR-STAGE#	STAGE# AT OTHER END
00119	00008		DESC-C1-MIGR-SYSTEM	SYSTEM AT OTHER END
00127	00008		DESC-C1-MIGR-SUBSYS	SUBSYS AT OTHER END
00135	00008		DESC-C1-MIGR-TYPE	TYPE AT OTHER END
00143	00004	1	DESC-C1-MIGR-DATE	DATE OTHER END OCCURRED
00147	00002	1	DESC-C1-MIGR-TIME	TIME OTHER END OCCURRED
00149	00060		COMMENT	COMMENT
00209	00001		ACTION	ACTION FLAG
00210	00035		GROWTH	SPACE FOR GROWTH
00210	00001		GROW-C1-SITEID	C1 ALL: OS/390 SITEID
00211	00008		GROW-C1-ENVIRON	OS/390 ENVIRONMENT
00219	00004	2	GROW-C1-LEVEL	ELEMENT LEVEL #
00245	00032		USER	USER NAME
00277	00012		CCID	CCID NAME
00289	00016		CCID-STATUS	CCID STATUS
00305	00016		BASE-STATUS	BASELINE STATUS

B.4 CA-CULPRIT MGCC/CCID Record Layout -- NDVRRMGC

LRECL	TYPE	BLOCK	FILE	DESCRIPTION...
00800	F		User Module	NDVRRMGC

START	SIZE	TYPE	DP	FIELD-NAME	DESCRIPTION
-----	-----	----	--	-----	-----
00001	00008			RECPFX	RECORD PREFIX
00001	00002	1		RECLN	RECORD LENGTH
00005	00002	1		RECTYPE	RECORD TYPE
00007	00002	1		RECVER	RECORD VERSION
00009	00008			DICT-NAME	DICTIONARY NAME
00017	00008			DICT-SYSTEM	SYSTEM NAME
00025	00016			MGRP-FILLER-1	FILLER
00041	00016			MANAGEMENT-GROUP	MANAGEMENT GROUP
00057	00096			MGRP-FILLER-2	FILLER
00151	00008			MJCT-FILLER-1	FILLER
00161	00004	1		DATE-LAST-MODIFIED	DATE LAST MODIFIED
00165	00004	1	2	TIME-LAST-MODIFIED	TIME LAST MODIFIED
00169	00060			COMMENT	COMMENT
00229	00036			MJCT-FILLER-2	FILLER
00265	00016			CCID-FILLER-1	FILLER
00281	00012			CCID	CCID
00293	00116			CCID-FILLER-2	FILLER

B.5 CA-CULPRIT Management Group Record Layout -- NDVRRMGP

LRECL	TYPE	BLOCK	FILE	DESCRIPTION...
00800	F		User	Module NDVRRMGP

START	SIZE	TYPE	DP	FIELD-NAME	DESCRIPTION
-----	-----	-----	--	-----	-----
00001	00008			RECPFX	RECORD PREFIX
00001	00002	1		RECLN	RECORD LENGTH
00005	00002	1		RECTYPE	RECORD TYPE
00007	00002	1		RECVR	RECORD VERSION
00009	00004	1		DATE-LAST-MODIFIED	DATE LAST MODIFIED
00013	00004	1	2	TIME-LAST-MODIFIED	TIME LAST MODIFIED
00017	00016			MANAGEMENT-GROUP	MANAGEMENT GROUP
00033	00060			COMMENT	COMMENT
00093	00032			GROWTH	SPACE FOR GROWTH
00129	00008			DICT-NAME	DICTIONARY NAME
00137	00008			DICT-SYSTEM	SYSTEM NAME

B.6 CA-CULPRIT Signout Record Layout -- NDVRRSGN

LRECL		TYPE	BLOCK	FILE	DESCRIPTION...	
01000		F		User	Module	NDVRRSGN
START	SIZE	TYPE	DP	FIELD-NAME		DESCRIPTION
00001	00008			RECPFX		RECORD PREFIX
00001	00002	1		RECLEN		RECORD LENGTH
00003	00001	1		RECFLAG1		RECORD FLAG 1
00004	00001	1		RECFLAG2		RECORD FLAG 2
00005	00002	1		RECTYPE		RECORD TYPE
00007	00002	1		RECVER		RECORD VERSION
00009	00008			DICT-NAME		DICTIONARY NAME
00017	00008			DICT-SYSTEM		SYSTEM NAME
00025	00008			ENTITY-FILLER-1		FILLER
00034	00004	1		DICT-DATE		DICTIONARY DATE
00037	00004	1		DICT-TIME		DICTIONARY TIME
00041	00044			ENTITY-KEY		ENTITY KEY
00041	00040			ENTITY-NAME		ENTITY NAME
00081	00002	1		ENTITY-CODE		ENTITY CODE
00083	00002	1		ENTITY-VERSION		ENTITY VERSION
00085	00060			ENTITY-COMMENT		ENTITY COMMENT
00145	00001			DICTIONARY-LOCK		DICT LOCKED Y/N
00146	00008			DBNAME		DBNAME
00154	00008			SYSTEM		SYSTEM NAME
00162	00008			DBNAME-DATE		DATE IN EBCDIC
00170	00008			DBNAME-TIME		TIME IN EBCDIC
00179	00007			ENTITY-FILLER-1		FILLER
00185	00016			ENTITY-TYPE		ENTITY TYPE
00201	00003			ENTITY-ABBR		ENTITY ABBR
00204	00001			ENTITY-CODE		ENTITY-CODE
00205	00008			SIGNOUT-FILLER-1		FILLER
00213	00004	1		DATE-LAST-MODIFIED		DATE LAST MODIFIED
00217	00004	1	2	TIME-LAST-MODIFIED		TIME LAST MODIFIED
00221	00004	1		DATE-ESTABLISHED		DATE ESTABLISHED
00225	00004	1		DATE-ACTIVATED		DATE ACTIVATED
00229	00001			AUTHORIZED		AUTHORIZATION FLAG
00230	00001			SIGNOUT		SIGNOUT FLAG
00231	00044			SIGNOUT-ELEMENT		SIGNED OUT ELEMENT
00271	00002			SIGNOUT-ELE-TYPE		SIGNED OUT TYPE
00273	00002			SIGNOUT-ELE-VER		SIGNED OUT VERSION
00275	00097			COMMENT		COMMENT
00373	00008			COMMENT-FILLER		FILLER
00381	00004	1		USER-DATE		USER DATE
00385	00004	1	2	USER-TIME		USER TIME
00389	00032			USER		USER NAME
00701	00012			CCID		CCID NAME
00713	00016			CCID-SECURE-CLASS		CCID SECURITY CLASS
00728	00060			CCID-COMMENT		CCID COMMENT
00789	00002			CCID-FILLER		CCID FLAGS

B.7 CA-CULPRIT Status Record Layout -- NDVRRSTA

LRECL	TYPE	BLOCK	FILE	DESCRIPTION...
00800	F		User	Module NDVRRSTA

START	SIZE	TYPE	DP	FIELD-NAME	DESCRIPTION
-----	-----	----	--	-----	-----
00001	00008			RECPFX	RECORD PREFIX
00001	00002	1		RECLN	RECORD LENGTH
00005	00002	1		RECTYPE	RECORD TYPE
00007	00002	1		RECVER	RECORD VERSION
00009	00004	1		DATE-LAST-MODIFIED	DATE LAST MODIFIED
00013	00004	1	2	TIME-LAST-MODIFIED	TIME LAST MODIFIED
00017	00016			STATUS	STATUS NAME
00033	00060			COMMENT	COMMENT
00093	00001			AUTHORITY	AUTHORITY
00094	00035			GROWTH	SPACE FOR GROWTH
00129	00008			DICT-NAME	DICTIONARY NAME
00137	00008			DICT-SYSTEM	SYSTEM NAME

B.8 CA-CULPRIT User Record Layout -- NDVRRUSR

LRECL	TYPE	BLOCK	FILE	DESCRIPTION...
00800	F		User Module	NDVRRUSR

START	SIZE	TYPE	DP	FIELD-NAME	DESCRIPTION
----	----	----	--	-----	-----
00001	00008			RECPFX	RECORD PREFIX
00001	00002	1		RECLN	RECORD LENGTH
00005	00002	1		RECTYPE	RECORD TYPE
00007	00002	1		RECVER	RECORD VERSION
00009	00004	1		DATE-LAST-MODIFIED	DATE LAST MODIFIED
00013	00004	1	2	TIME-LAST-MODIFIED	TIME LAST MODIFIED
00017	00032			USER	USER NAME
00049	00144			CCID-GROUP	CCID GROUP (CCID * 12)
00049	00012			CCID	CCID (SINGLE OCCURRENCE)
00193	00016			SECURITY-CLASS	SECURITY CLASS
00209	00008			PASSWORD	PASSWORD
00217	00060			COMMENT	COMMENT
00277	00001			LOCKED	LOCK BYTE
00278	00035			GROWTH	SPACE FOR GROWTH
00313	00008			DICT-NAME	DICTIONARY NAME
00321	00008			DICT-SYSTEM	SYSTEM NAME

Appendix C. Online/Batch Counterparts

C.1 Online/Batch Counterpart Table

The following table contains the Management Facility functions available in Online CA-Endevor/DB and their equivalent Batch commands. For more information on the Batch commands, refer to the *CA-Endevor/DB Batch Reference Guide*.

C.1.1 SIGNOUT (FUNCTIONS)

Short form: SIGNOUT (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse entities signed out	--
2	Signout entities	SIGNOUT
3	Signin entities	SIGNIN

C.1.2 PREAUTHORIZATION (FUNCTIONS)

Short form: PREAUTHORIZATION (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse preauthorization	DISPLAY PREAUTHORIZATION
2	Add preauthorization	ADD PREAUTHORIZATION
3	Delete preauthorization	DELETE PREAUTHORIZATION
4	Modify preauthorization	MODIFY PREAUTHORIZATION

C.1.3 LOCK (FUNCTIONS)

Short form: LOCK (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse locked users	--
2	Lock users	--
3	Unlock users	--
4	Browse locked CCIDs	--
5	Lock CCIDs	--
6	Unlock CCIDs	--

Number	Online Function	Batch Command
7	Browse locked dictionaries	--
8	Lock dictionaries	--
9	Unlock dictionaries	--

C.1.4 ENTITY (FUNCTIONS)

Short form: ENTITY (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse entity descriptors	DISPLAY ENTITY
2	Add a new entity descriptor	ADD ENTITY
3	Modify entity descriptors	MODIFY ENTITY
4	Delete entity descriptors	DELETE ENTITY
5	Browse entity change history	--
6	Browse entity status history	--

C.1.5 CCID (FUNCTIONS)

Short form: CCID (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse CCID descriptors	DISPLAY CCID
2	Add a CCID descriptor	ADD CCID
3	Modify CCID descriptors	MODIFY CCID
4	Delete CCID descriptors	DELETE CCID
5	Browse CCID/change associations	--
6	Add CCID/change associations	--
7	Modify CCID/change associations	--
8	Delete CCID/change associations	--
9	Browse entity status for CCID	--

C.1.6 STATUS (FUNCTIONS)

Short form: STATUS (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse status descriptors	DISPLAY STATUS
2	Add a status descriptor	ADD STATUS
3	Modify status descriptors	MODIFY STATUS
4	Delete status descriptors	DELETE STATUS
5	Browse status/entity associations	DISPLAY ENTITY
6	Add status/entity associations	MODIFY ENTITY STATUS
7	Modify status/entity associations	MODIFY ENTITY STATUS
8	Delete status/entity associations	MODIFY ENTITY STATUS

C.1.7 USER (FUNCTIONS)

Short form: USER (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse user descriptors	DISPLAY USER
2	Add a user descriptor	ADD USER
3	Modify user descriptors	MODIFY USER
4	Delete user descriptors	DELETE USER
5	Browse user/change associations	--
6	Add user/change associations	--
7	Modify user/change associations	--
8	Delete user/change associations	--

C.1.8 DICTIONARY (FUNCTIONS)

Short form: DICTIONARY (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse dictionary descriptors	DISPLAY DICTIONARY

Number	Online Function	Batch Command
2	Modify dictionary descriptors	MODIFY DICTIONARY
3	Delete dictionary descriptors	
4	Browse change-log entries	--
5	Modify change-log entries	--
6	Delete change-log entries	--

C.1.9 MANAGEMENT (GROUP) (FUNCTIONS)

Short form: MANAGEMENT (GROUP) (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse management groups	DISPLAY MGRP
2	Add a management group	ADD MGRP
3	Modify management groups	MODIFY MGRP
4	Delete management groups	DELETE MGRP
5	Browse MGRP/CCID associations	--
6	Add a MGRP/CCID association	MODIFY MGRP CCID
7	Modify MGRP/CCID associations	MODIFY MGRP CCID
8	Delete MGRP/CCID associations	MODIFY MGRP CCID

C.1.10 CONTROL (FUNCTIONS)

Short form: CONTROL (FUNCTIONS)

Number	Online Function	Batch Command
1	Browse CCDB descriptor records	
2	Modify CCDB descriptor records	
3	Browse security descriptors	DISPLAY SEC CLASS
4	Add a security descriptor	ADD SEC CLASS
5	Modify security descriptors	MODIFY SEC CLASS
6	Delete security descriptors	DELETE SEC CLASS
7	Browse monitor dict stat blocks	

C.1 Online/Batch Counterpart Table

Number	Online Function	Batch Command
8	Modify monitor dict stat blocks	

